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1876 — 1951
75th ANNIVERSARY

Vaughan's GARDENING ILLUSTRATED

CHICAGO 10 W. RANDOLPH ST. • NEW YORK 47 BARCLAY ST.

SPOTLIGHT

RED CHARM

BLUE BEAUTY

ETHEL CAVE COLE

Vaughan's Famous Rainbow Garden of Gladioli

Fifty-six flowering size bulbs, 8 each of the 7 outstanding varieties illustrated on this page. Each variety separately bagged and labeled. Prepaid 600 miles for **$2**

PICARDY

ELIZABETH, THE QUEEN

MARGARET BEATON

Half Portion
Prepaid 600 Miles $1
4 Each of 7
Varieties Illustrated

Varieties in our 1951 Rainbow Gladiolus offer are champions in their various colors, frequent winners of prizes in flower shows.

SPOTLIGHT (Palmer). Spectacular yellow, winner at big shows.

RED CHARM (Butt). One of finest medium reds, unfading.

BLUE BEAUTY (Pfitzer). Lovely sky-blue.

ETHEL CAVE COLE (Cave). Ex. Spectacular spike of delicate pink, consistent show winner.

ELIZABETH THE QUEEN (White). Ex. Beautifully ruffled lavender, best of its color.

MARGARET BEATON (Twomey). Ex. Huge white with orange-scarlet blotch in throat.

PICARDY (Palmer). Ex. Still acknowledged champion of all.

Rainbow bulbs are not first size bulbs, but they are the size we use in growing exhibition flowers. They take a little longer to bloom than first size bulbs but the flowers are large, and the crop of bulbs produced for next year's planting are equal to the product of the largest bulbs.

Varieties subject to change after April 15th.

From Seed Sown 75 Years Ago—

In 1875 there was no seed store in the rapidly growing city of Chicago, Illinois, then 38 years old, population 407,661. Mr. J. C. Vaughan, founder of this business, told in these words how he was led to establish the city's first in the following year:

"The first seeds which I sold were provided at the request of satisfied customer friends, buyers of fruit and shade trees." (His first business venture was as a nursery salesman in Cook County, Illinois.) "These worthy gardeners had been sadly disappointed at the poor crops harvested with seeds from commission boxes, their only available source at that time, 1875. They urged that I provide them with seeds dependable in vitality, type and productiveness. The good results from seed thus provided secured these customers, and came yearly many more, until the larger part of the gardening fields were sown with Vaughan's seeds. From 1884, Vaughan's catalogues were distributed annually to many thousands of gardeners throughout the middle west."

First Sales Made to Professionals

Thus his first seed-buying customers were professional gardeners, whose patronage was retained and increased by providing them with seeds that grew and produced satisfactory crops.

To these exacting users were soon added florists of Cook County, and later of the entire United States. Most florists of that day had greenhouses where they attempted to grow all their flowers. Noting that some were often in the need of some varieties, while they had surpluses of others, Mr. Vaughan invited them to bring surpluses to his store, where they could be sold to others in need of them. This was the first wholesale cut flower commission business established in the United States, a beginning from which a great wholesale cut flower production and marketing industry has developed.

Though soon forced to sell the cut flower business in order to devote all his time and store space to seeds, bulbs and plants, Mr. Vaughan throughout his life maintained close contact with florists the country over, and this house continues to be the largest purveyor of seeds, bulbs and other horticultural items to florists in the United States.

From the beginning to the present day, sales to professional growers have constituted a large majority of all goods sold. Everything produced, or purchased for resale has been required to meet the high standards set by these critical customers. This assures our amateur gardener customers of the same uniformly high quality which professionals demand.

Copyright, by Vaughan's Seed Co., 1950.

J. C. Vaughan's Seed Store began its life in the Ashland Block, Clark and Randolph Streets, one of the first sky-scrapers in Chicago, recently torn down. He soon outgrew the quarters here and moved in 1879 to LaSalle Street, occupying at different times No. 45 and No. 42. In 1886 the seed store was moved to State Street where the Roosevelt Theatre now stands; in 1901, incorporated as Vaughan's Seed Store, to the Cyrus McCormick Building at 31-35 W. Randolph Street, where it remained for 19 years, until the erection of the Apollo Theatre on that site. In 1920 the retail store was moved across the street to 10-12 W. Randolph Street where it now occupies the building, the erection of which was Mr. Vaughan's last business care.

As the business expanded additional facilities were necessary to care for it. In this 75th year these include the 7-story headquarters building at 601 W. Jackson Blvd., Chicago; retail stores at 10 W. Randolph Street, Chicago; 601 W. Jackson Blvd., Chicago, and 47 Barclay Street, New York; suburban sales branches at W. 47 Street and Willow Springs Road, Western Springs, Ill., and Hempstead Turnpike and Merrick Avenue, E. Hempstead, L. I., N.Y., nursery at Western Springs, Ill. and farms for the production of seeds and bulbs in various sections of the U. S.

On the death of J. C. Vaughan, founder, in 1924, his son Leonard H. Vaughan became president, and Carl Cropp, who had been in charge of the flower seed department since its creation, vice president. Leonard H. Vaughan died in 1943, when his eldest son John C. Vaughan, became president. Other officers are: Carl V. Cropp, vice president-secretary; Leonard H. Vaughan, Jr., assistant secretary; and Gager T. Vaughan, treasurer.

Flower Seeds and Bulbs a Specialty

From its earliest years a specialty of this house has been the gladiolus. In 1884 the list of Vaughan's Hybrid Gladioli filled two pages in the catalogue. It was announced that Vaughan's gladiolus flowers took first premiums at the Illinois State Fair in 1880, 1881, and 1884, and that this firm had the largest stock of named varieties in the west. Leonard H. Vaughan established large gladiolus farms at Ovid, Mich., and many new varieties were bred and introduced during the years that followed. Bulb farms are still operated in Michigan, Washington and Tennessee.

In 1886 the flower seed list was greatly increased as a result, it was stated; "Of a personal foreign trip of our assistant in the flower seed department who has secured choicest strains of German, French and English flowers, we are thus in position to supply this class of seeds as well, or better, than any other seed firm in America."

The reference was to Carl Cropp, who had taken charge of the flower seed department and begun its rise to the leadership which it ever since has held in the United States. Mr. Cropp died in 1946.

Contributes to Horticultural Progress

Throughout its existence Vaughan's Seed Company has been closely identified with horticultural activities in the United States. J. C. Vaughan and Leonard H. Vaughan both served terms as president of the American Seed Trade Association, and the Society of American Florists. J. C. Vaughan organized the International Congress of Horticulture at the Chicago World's Fair in 1893, and was chairman of the National Council of Horticulture at the St. Louis World's Fair in 1904. He served for many years as chairman of the executive committee of the Horticulture Society of Chicago, which held annual flower shows in Chicago from 1905 to 1910. In every Chicago Flower Show which has been held Vaughan's Seed Company has been a principal exhibitor. In the World's Fair of 1893, Vaughan's exhibits won 28 awards the highest number won by any exhibitor in horticulture. In the Chicago Century of Progress of 1933 and 1934, one of the principal exhibits was Vaughan's model garden planted and maintained on the grounds of the Horticultural Building.

In its 75th year, the principal retail store of the company at 10 W. Randolph is within two blocks of the place where the business began. Chicago has grown to the third largest city in the world, and the store's gardening customers now live miles away, in the outskirts and suburbs of the sprawling city.

Among the residents of Chicagoland interest in home gardening continues high and each year has seen the number of Vaughan's customers increase. The fame of Vaughan's seeds has been spread through every state in the union by Chicagoans who have moved and carried the word of "good results from seed provided" by the seed house which J. C. Vaughan established in 1875, "at the request of satisfied customer-friends."

To VAUGHAN'S SEED CO.

601 W. Jackson Blvd., Chicago 6, Ill. — 47 Barclay St., New York 7, N. Y.

75th ANNIVERSARY OFFER

SAVE 20%

ON CASH ORDERS OF PACKET SEEDS

$3.00 FOR $2.40

Date.....19.....

NAME Mr. / Mrs. / Miss ..... Write very plainly

Street, P. O. Box or Rural Delivery .....

Post Office ..... State .....

(City Zone No.)

Express or Freight Office (If different from P. O.) ..... Forward Goods by ..... (Parcel Post, Express, Freight)

(SEND NO CASH OR CURRENCY UNLESS REGISTERED) Make Money Orders or Checks Payable to Vaughan's Seed Store

AMOUNT ENCLOSED $..... ☐ Money Order ☐ Draft or Check ☐ Cash

More order blanks will be sent upon request. Always write letters on a separate sheet from your order.

OUR GUARANTEE

All our stocks are sold under the following conditions: We guarantee the vitality and purity of Vaughan's Seeds and Bulbs to the full amount of the purchase price. You can have your money back any time within a year if you are not satisfied with the results. Even with the highest quality seeds and bulbs, success in gardening depends largely upon cultivation, soil and weather conditions. Therefore, in no case, shall Vaughan's Seed Co. be liable for more than the amount actually paid us for seeds, bulbs or plants.

This space for office use only.

	Ex. ☐	Flower ☐	Veg. 1 ☐	Grass ☐	Bulb ☐	Sup. ☐	Fert. ☐	Re-Check
Filled by								
Date								
Checked								
No. Pkgs.								

QUANTITY DO NOT ABBREVIATE	NAME OR CATALOG NUMBER OF ARTICLE Where Catalog gives a Number, please order by it.	PRICE DOLS.	PRICE CTS.

☞ IN MAKING YOUR ORDER, PLEASE GIVE THE SIZES AND PRICES TO AVOID DELAY AND ERRORS. CARRIED FOR'D $

If we cannot supply variety ordered, we will send one equal or better, unless forbidden.

S. R. 51 (Over)

$3 VALUE FOR $2.40

Flower and Vegetable Packets of Your Selection

WE SHARE with you our saving in handling expense on larger, earlier CASH ORDERS. If your purchase of packet seeds totals $3 or more you may select according to the following schedule:

Seeds worth $3 for $2.40
Seeds worth $4 for $3.20
Seeds worth $5 for $4.00
And so on upwards to any amount.

In other words a 20% discount on orders for seeds as detailed below totaling $3.00 and over, catalogue value.

This Offer is Definitely Limited to Cash Orders Only for:

Flower and vegetable seeds in packets, ounces and fractions of ounces.

Peas, beans and corn in half pound and 1 pound units, but not including other seeds by weight larger than ounces.

This Offer Does Not Apply

To mail orders for any other items except those specified above.

The extra seeds must be listed in original order; no allowance can be made subsequently for failure to include them. If your list totals less than $3.00, combine it with a neighbor's order to obtain the quantity price. The combined order must be shipped in one parcel, to one address.

Everblooming Hybrid Tea ROSES 6 for $5.95

ONE PLANT OF CHRISTOPHER STONE, ILLUSTRATED, AND FIVE OTHERS, AS DESCRIBED HERE.

THESE ARE NOT SOUTHERN ROSES

They are No. 1 2-year budded plants, grown on the Pacific coast, the very finest plants obtainable. Each plant has three or more canes, 18 inches long or longer, proving their vigor.

You will know the difference between these top grade plants, and lower priced plants, when they begin to grow in your garden, where their abundance of fibrous, flexible roots enable them to become established quickly and bloom early.

All these Roses will bloom in your garden this summer, if planted according to simple directions furnished with the plants. Plant dormant Rose bushes as soon as the soil thaws and dries out enough to be prepared properly. As soon as dormant Roses are properly pruned and planted, hill them up with 3 or 4 inches of moist soil. This keeps the wind from drying the plants and helps them to leaf out more quickly. Remove the soil gradually as the plants begin to grow.

We suggest that you order early as it may be necessary to change these collections if ordered late in the season. See Pages 90-91 for Complete List of Roses.

All Roses are shipped via express from Western Springs, Ill., or may be shipped via parcel post if postage is sent. Allow 1 lb. for each plant. See order blank for postage rates. (No Roses are shipped C. O. D.).

One Each of These Six Varieties

Value $7.50 for $5.95, by Express (Collection C11)

CHRISTOPHER STONE. Classed with Etoile de Hollande and Crimson Glory as one of the three finest red roses in existence. All season the fine plants produce quantities of brilliant, glowing, velvety scarlet blooms of good form and delicious old rose fragrance. $1.25; 3 for $3.45.

McGREDY'S YELLOW. Beautifully formed buds of pure, light buttercup yellow; open flowers cup-shaped with a mass of golden anthers glorifying the center. $1.25; 3 for $3.45.

McGREDY'S IVORY. "The perfect white rose." Its long pointed, perfectly-shaped, ivory-white buds open into magnificent blooms of breath-taking loveliness. $1.25; 3 for $3.45.

CONDESA DE SASTAGO. A spectacular rose with cupped flowers of orange-scarlet on the inside, yellow on the reverse. Exceptionally strong grower; alluring raspberry fragrance; free flowering. $1.25; 3 for $3.45.

POINSETTIA. One of the most dazzling red roses we have ever seen. The buds are ideal in form, long and pointed, and open into large, beautiful poinsettia-scarlet blooms. $1.25; 3 for $3.45.

THE DOCTOR. An outstanding pink rose. The buds are long and pointed and ex-expand to enormous blooms of beautiful, glowing rosy pink. Intensely fragrant; excellent for cutting. $1.25; 3 for $3.45.

ALL-AMERICA WINNERS! 3 FOR $4.90

One each as listed below. (Value $5.50) All America Rose Selections Everblooming Hybrid Tea Rose Collection C31

These are Roses selected by the Rose Council after two-year tests in 19 Official All America Rose Selection test gardens. Only a rose that gives good results in all parts of the country can pass their rigid tests.

DIAMOND JUBILEE. AARS 1948 (Pat. 824). Ovid buds, on long heavy stems, open slowly to high centered, fully double blooms, often 5 to 6 inches across. The heavy textured petals are a warm glowing buff-orange color which does not fade or burn. Delightful old Rose fragrance. $2.00; 3 for $5.50.

FORTY-NINER. AARS 1949 (Pat. 792). A brilliant bicolor. Its colors do not fade, but hold until the last petal drops. Its long, pointed buds open into well-shaped flowers of 30 to 40 petals, rich yellow outside and dazzling red inside. Mild, pleasing fragrance. $1.75.

TALLYHO. AARS 1949 (Pat. 828). Another bicolor of a new and unusual blend. Inside its petals are a beautiful shade of pink, and the reverse a rich crimson. Long tight buds open into lovely full blooms, long lasting when cut. Rich spicy fragrance. $1.75.

SUB-ZERO Roses 3 FOR $5.00

Everblooming Hybrid Tea Roses, One Each as Listed, Collection C21

A new race bred from Northern native species that have beautiful flowers and that bloom freely and constantly all summer. They are easy to grow, have great vigor and live for many years, even in sub-zero winters. Prices: $1.75 each; 3 for $5.00; Doz. $18.00

DICK WILCOX. (Pat. 845). A magnificent rose of deepest crimson color with a Crimson Glory sheen. Its large flowers of good form are very double and very fragrant. Exceptionally good, tall, upright bush, producing upwards of a hundred blooms year after year.

PINK PRINCESS (Pat. 459). Red buds open to large double, high centered, fragrant flowers of deep rose-pink with copper shadings. Famous as the first Hybrid Tea rose, free from premature defoliation.

V FOR VICTORY (Pat. 543). One of the finest roses in existence. The color is a real yellow, with fragrant, unfading flowers developing from fine buds. The flowers are very double, are on long stiff stems and are excellent for cutting.

6 NEW HARDY GARDEN CHRYSANTHEMUMS

POSTPAID FOR $3.95

HUNTSMAN

These six are our pick of newer varieties which have proved their earliness, hardiness and decorative value for garden planting. We can recommend them for all these qualities, in addition to their beauty.

ALERT. New Brilliant purple, early and free blooming, 3″ flowers.
CARNIVAL. Large, gleaming burnt-orange flower, lusty green foliage. Fine for cutting.
GLADWIN. Large pink fully double blooms on sturdy stems.
HUNTSMAN. Bright scarlet. Rugged and vivid, an outstanding new mum. Mass of 3″ blooms, lusty 2½ ft. plant, very hardy.
WHITE TOWER. A sturdy pompon with broad petals, opening creamy-white, turning to pure white. Good for cut flowers.
YELLOW CACTUS. Large 3″ sulphur yellow flowers. Blooms early October.
Above varieties: 75c each; 3 for $2.00.

COLLECTION No. 1A. 1 each of above six for $3.95.

RED CUSHION

Spoon Chrysanthemums

Their name is derived from the character of their petals, which tend to form tubes, enlarged at the end to resemble a spoon.

CHARM. Opens salmon-red, and slowly fades to rich dusty rose.
IVORY. Dainty ivory-white, prolific bloomer.
LOVELINESS. Fully double, carmine pink flowers. Nothing like it. Outstanding.
MAGENTA. Lively, magenta-rose, spoon type flowers in profusion. The peak of perfection.
Above varieties: 65c each; 3 for $1.75.

COLLECTION: No. 1B. 1 each of above four for $2.35.

Time Tried Varieties

Five Plants for $3.25

These are free-flowering varieties still outstanding in their color classes.

AVALANCHE. Early white, 4″ flowers on tall stems.
LAVENDER LADY. True lavender 3″ flowers on perfectly branching sprays.
MRS. PIERRE S. DU PONT. Peach pink, tinted rosy-salmon-bronze. One of the best.
FRANCIS DE SALES. Large yellow flowers slightly tinted with orange. Blooms early October.
YELLOW AVALANCHE. Big fluffy blooms of rich golden yellow.
RED VELVET. Velvety crimson, heavy crimson. A "must" for your garden.
Above varieties: 65c each; 3 for $1.75.

COLLECTION: No. 1G. 1 each of above five for $3.25.

Plants Reach You Green and Growing

In order to insure that our chrysanthemum plants reach you green and growing, with roots undisturbed, they are grown in pots, in sphagnum moss, according to methods developed by U.S. D.A. scientists. The moss forms a compact ball in which the roots develop. During shipment, the moss holds moisture so the plant does not dry out, and it can be planted in your garden in full vigor, with best chances of success.

Azalea-Like or Cushion Mums

Compact, mound-like plants which blossom very early, and are covered with flowers for a long season. See illustration to the left.

Five New Ones, $2.95

BLACK VELVET. Dark red double flower. Very hardy and always make a show.
NANOOK. Compact mound of white flowers with cream center.
OMAHA. Delightful orange, quilled petals like Cactus Dahlias. 15 to 18 inches tall, 40 inch spread.
ORCHID HELEN. Orchid shade flowers, fully double. Early.
ZANTHA. Large, double, ball shaped flowers of clear canary-yellow shade.
Above varieties: 70c each; 3 for $1.85

COLLECTION: No. 1D. 1 each of above five for $2.95.

Five Favorites, $2.35

The hundreds of blooms on these low spreading plants make them the Mum favorites of flower lovers.

BRONZE, PINK, RED, WHITE, YELLOW
Above varieties: 60c each; 3 for $1.50.

COLLECTION: No. 1C. 1 each of above five for $2.35.

Suprise Collection of Unlabeled Root Divisions

Unlabeled root divisions, assorted colors and types; 10 for only $2.25; 25 for $4.00; 50 for $6.50, postpaid.

Famous Chicago Strain

Seven Plants for $4.50

Varieties bred for winter hardiness and early flowering by Dr. E. J. Kraus.

AUTUMN SONG. Large wine-rose shading to carmine, on long stems.
EARLY HARVEST. A mass of mahogony-orange flowers. Cushion type grower.
MAGNIFICENT. Glorious 4″ plum-red flowers with coppery cast. Fine for cutting.
CHAS. NYE. Large, fully double, rich deep yellow flowers.
INSPIRATION. Orange-red overlaid with apricot. Very hardy.
OLIVE LONGLAND. 3″ Apricot toned, salmon-pink. One of the best pastel shades.
ROSITA. Persian-rose button-pompon.
Above varieties: 75c each; 3 for $1.95.

COLLECTION: No. 1F. 1 each of above seven for $4.50.

Hardy English Mums

Six of the Best for $3.95

While their flowers are as large as greenhouse chrysanthemums these English varieties blossom much earlier, giving a dazzling garden display before freezing weather arrives.

ALABASTER. Early white large incurved flowers of good substance.
COPELAND'S COPPER. The soft copper-bronze makes a perfect border color.
JEAN HARLOW. Beautiful bright golden-yellow. Large, fully double, semi-incurved.
BRONZE EARLY BUTTERCUP. Rich deep bronze with golden reverse. Disbud.
COPPELIA. Indian Red.
LEDA. Large heliotrope pink, rolled petals.
Above varieties: 75c each; 3 for $1.95.

COLLECTION: No. 1E. 1 each of above six for $3.95.

Newer Vegetables

SPECIAL OFFER $1.

One pkt. each of the following five varieties listed on this page ($1.60 value) prepaid, $1. This includes Vaughan's Early Hybrid Tomato, Hybrid Golden Midget Sweet Corn, Vaughan's Hybrid Pepper, Greenpod Bush Bean Topcrop, Early Surecrop Hybrid Cucumber. It does not include Watermelon Japanese Seedless.

All Summer Harvest from Early Hybrid Tomato

T-44 Vaughan's Early Hybrid Tomato. 68 days. Tested in the Chicago area in competition with other varieties, both hybrid and standard bred, this variety produced more ripe fruit by August 10 than any other. Similar reports came from wherever it was tested, throughout the country. Fruit is large, bright red, firm, non-acid. It is a splendid salad variety, the best we know for what every home gardener needs: A heavy yielding early tomato for table use. Pkt., 25c.

And Here's a Hybrid Golden Midget Sweet Corn

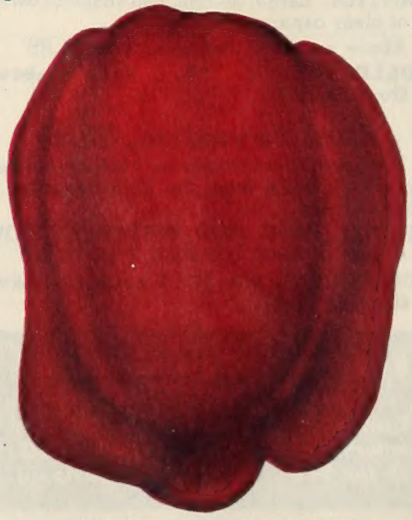
C-125 Golden Midget Hybrid Sweet Corn. 70 days. After treatment by the plant breeders, to produce an F1 hybrid, the 5-inch ears of this 3-foot tall corn are the sweetest we ever tasted. Thanks to hybrid vigor, more of them are produced and not all at the same time, but spread over a long harvest period, as home gardeners prefer. For growing in garden too small for standard types, this is perfect. Pkt., 50c.

Vaughan's Introduces First Seedless Watermelon

M-55 Watermelon Japanese Seedless. This first example of a seedless watermelon was developed by Japanese plant breeders using a scientific formula that may soon be applied to many other varieties. A selected plant is treated with colchicine, which doubles its chromosome count, making it a tetraploid. The treated plant is then crossed with a normal plant of the same variety, and the resulting offspring is seedless. This first example is of ice-box size, with bright red flesh of delicious sweetness. A few undeveloped, soft seeds remain, which are eaten unnoticed with the flesh, like cucumber seeds. A long series of experiments were required to produce this first seedless variety, and the seeds now in existence are few. All who grow them will have a rare and exciting novelty to show and enjoy. Pkt., of 10 seeds, $1.00.

Early Hybrid Pepper Gives Fruit Until Freeze-up

P-65 Vaughan's Hybrid Pepper. 60 days. Don't grow too many of this heavy yielding hybrid, or you'll be swamped with peppers all season. Plants set out when frost is over bear until the freeze-up their large, 4-lobed thick-fleshed fruit. Seed was so scarce last year, we had to charge $1 a packet, but this year the supply permits a substantial reduction. A superior variety in every respect. Pkt., 35c.



P-65 VAUGHAN'S HYBRID PEPPER. Pkt., 35c.

Judges Pick This Hybrid Cucumber as Best

C-188 Early Surecrop Hybrid Cucumber. 63 days. A bronze medal was awarded this heavy-yielding cucumber in the All America trials for 1951. Judges considered it an improvement on previous hybrids in earliness, long harvest and heavy yield. Fruits, illustrated, are a dark green which holds well after picking; flesh white, crisp, tender and of good flavor. It is resistant to mosaic and will give the home gardener an all season supply of fruit. Pkt., 25c.

Gold Medal Bean Sets New Records Everywhere

B-13 Greenpod Bush Bean Topcrop. 50 days. Its performance in the field last year gave this All-America Gold Medal bean (1950) leadership for both quality and heavy yield. Developed at Beltsville, Md., by Dr. William Zaumeyer, its quality is attributed to carefully chosen parentage, and its yield to resistance to the mosaic disease, which often cuts down non-resistant plants in midcareer. It has everything, including Tendergreen quality, and round 7-inch pods, most of them straight as an arrow. Pkt., 25c; ½ lb., 50c; lb., 85c; 2 lbs., $1.45.

Hybrid Sweet Spanish Onions Grow Big Quickly

O-37 Hybrid Sweet Spanish Onion Plants. Years of successful effort by state and government plant breeders have developed F1 hybrid onions to the point where we can offer green plants of Hybrid Sweet Spanish onion for home garden use this spring. The huge bulbs shown in the illustration were grown in ordinary garden soil near Chicago, Ill., last summer. They averaged more than 1 pound each and matured two weeks earlier than standard Sweet Spanish plants. It will not be long, before hybrid onions are another common hybrid vegetable. Plants will be shipped April 1 and after, prepaid for $1 per bunch, sufficient to plant 30 feet of row.

HYBRID SWEET SPANISH ONIONS IN COOK COUNTY, ILL., AUGUST 20, 1950

C-18 O-S HYBRID CABBAGE. Pkt., 35c.

Bees and Butterflies Breed First F1 Hybrid Cabbage

C-18 O-S Cross Cabbage. 70 days. Honorable Mention All America trials 1951. This first F1 hybrid cabbage to be introduced was bred by a method requiring no hand pollination. Certain inbred lines were found to be fertile only when crossed with another line. This characteristic was then used to produce O-S cross, the first hybrid cabbage ever offered. The chief merits of this variety are huge sized heads, high quality and extreme vigor. The heads will weigh up to 10 pounds, are solid, low growing, short stemmed, with bluish outer leaves and a light green interior. Pkt., 35c.

Cherry-Red Radish

R-9 Radish Cherry Belle. 25 days. Round and red as a cherry, this radish comes from Holland. Its crisp flesh is slow to turn pithy, and it can be sown for several crops before hot weather comes, being at its best when the nights begin to warm up. It has short tops and thrives in any garden soil. All America bronze medal 1949. Pkt., 25c; oz., 35c; ¼ lb., 65c; lb., $1.75.

Carrot Sweet as Honey

C-49 Carrot Sweetheart. 70 days. This well named carrot has a core (call it a heart) quite as tender and almost as sweet as the thick outer layer of its root. The deep orange coloring extends through all the flesh. It has a blunt end, slender cylinder shape, averaging 1½ by 6 inches. Pkt., 20c; ½ oz., 40c; oz., 70c; ¼ lb., $1.75.

C-49 CARROT, SWEETHEART. Pkt., 20c.

Earliest Green Bean is a Boon for Home Garden

B-23 Green Pod Bush Bean Contender. 49 days. A great introduction for 1950, that was the work of the late Dr. B. L. Wade. This high quality, heavy yielding bean has been setting records in all parts of the country. Amateurs like it because of its fast growth and long, round, tender pods, entirely free from fibre or linen. A continuous supply for the table is assured by sowing every week, three feet of row which will supply abundantly the average family needs. Pkt., 25c; ½ lb., 50c; lb., 85c; 2 lb., $1.45.

Harvest Many Big Eggs From New Hybrid Egg Plant

E-12 Vaughan's Hybrid Egg Plant. 85 days. This is a large fruited variety, as distinguished from the extremely early hybrid, introduced last year. This variety, produces an amazing quantity of large top-quality fruit. In addition to greatly increased yield the bushes show true hybrid vigor and increased resistance to disease. Pkt., 35c.

T-19 TOMATO GIANT TREE. Pkt., 50c.

Bush Type Acorn Squash

S-40 Bush Squash Uconn. 75 days. All-America Gold Medal, 1950. For 25 years this squash has been most popular of all in markets. Now the University of Connecticut has bred it to grow as a bush, instead of a vine, so that a season's yield may be harvested from a few square feet, which any garden can spare. Pkt., 25c; oz., 65c; ¼ lb., $1.85.

S-40 BUSH SQUASH UCONN. Pkt., 25c.

All Over U.S.A. They Rave About Giant Tree Tomato

T-19 Tomato Giant Tree. (Italian Potato Leaved.) 90 days. Big tomatoes, no less than giant dahlias, thrill the amateur gardener. The letters about success with Vaughan's Giant Tree, which come to us from every section of this country, convey the pride of accomplishment, and deep pleasure which the production of quality fruits 2 lbs. or more in weight have given them.

They send photographs, too,and newspaper clippings, showing their feats have been deemed newsworthy by the local papers. We wish we had the space to reproduce these pictures, and quote the letters; but they would fill pages.

All stress not only the size of these tomatoes, but their quality. W. E. McClelland, Seattle, Wash., grew· "Vines to 14 feet and individual tomatoes weighing 2¾ to 3 lbs. each. Slices covered a large salad plate from edge to edge. They have a flavor all their own, and are practically seedless. The most delicious tomato I ever tasted."

E. E. Crackel, Fresno, Cal., writes: "I have never in my life seen such tomatoes. The vines were 10 feet tall, tomatoes weighing 3 lbs. I had plenty of spectators to see them." Mrs. W. Irvine Keyser, Stevenson, Md.; "One tomato measured seven inches across." Emil Gazal, Hancock, Mich.: "We picked ripe Giant Trees exactly one week after the first picking of Early Chatham and it was still in production when frost hit it in October." Other letters have been received from northern Minnesota to southern Texas, and from the Atlantic to the Pacific coast.

Everybody agrees that this is Mr. Big, so far as tomatoes are concerned. It has no rival for size, both of fruit and vine growth, and is right up at the top in quality. If you haven't grown Giant Tree, we advise you to try it. There are few garden experiences more satisfying. The huge, smooth, pink fruits have few seeds. They are full of tender, delicious flesh, of mild, non-acid flavor. You will eventually grow this variety. Why not be ahead of your neighbors? Pkt., 50c.

ILL. HULLESS POPCORN, POPS 35 TIMES ITS VOLUME AS CHECKED BY DR. B. L. WEAVER

College Bred Popcorn Pops Off Its Hull

C-135 Illinois Hulless Popcorn. 100 days. Is it possible to improve popcorn? The right answer is: Yes, by removing the hull. Dr. B. L. Weaver of the University of Illinois proved this when by the magic of plant breeding he made the improvement. When this variety pops, off goes the hull and a huge, pure white, tender and delicious confection remains, over thirty-five times as large as the kernel. By the eating test it is superior to all others, including hybrids, white or yellow. Pkt., 25c; ½ lb., 50c; lb., 90c; 2 lbs., $1.65.

C-108 HYBRID SWEET CORN GOLDEN CROSS. Pkt., 15c.

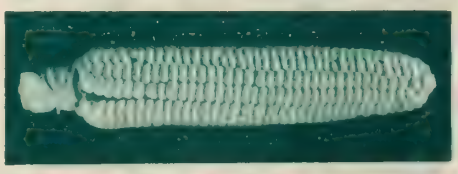
Hybrid Sweet Corn Team

Plant the four varieties illustrated below at the same time to produce an all season harvest of highest yield and quality. 2 oz. of each variety in separate packets totaling ½ pound..... 50¢

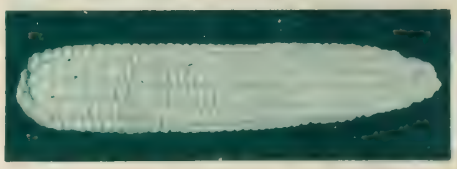
Each variety listed below, ordered separately: Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35.

Annual tests are made in our trial grounds of both new and old hybrid varieties. On the basis of these tests the four varieties below were chosen as the best available in 1951 to give the longest harvest season coupled with highest quality and best yield.

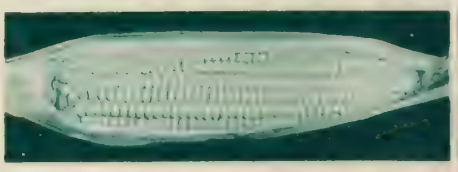
C-108 Golden Cross. 79 days. Sweet as Golden Bantam, with much larger ear, this is deservedly most popular of hybrids. Ears are 12 to 14 rowed, nearly eight inches long. Highly resistant to Stewart's disease.



C-119 Our Choice. 68 days. One of the earliest hybrids, we recommend it because of its super-sweet and tender kernels, borne on a large 12-rowed ear.



C-130 Early Southern Cross. 75 days. A new fine, second early. The cylindrical ears are long and sweet.



C-109 Improved Golden Label. 83 days. A greatly improved variety of exceptional size Grow for last crop, excellent for freezing and canning.

KEEP YOUR LAWN *Beautiful* with *Vaughan's* LAWN SEED MIXTURES

FROM its beginning in 1875 Vaughan's Seed Store has been known for quality lawn seed. By 1886 Vaughan's Chicago Parks Lawn Mixture was being sown throughout the middle west, being described in the catalogue of that year as "a mixture of dwarf and dense growing grasses chosen with reference to a constant succession of luxuriant growth, producing a firm, durable, carpet-like turf." In the years that have followed this leadership has continued. The finest grass seed grown, blended in proved formulas to produce lawns of beauty and permanence, are used in all our mixtures. As new varieties have appeared, and new methods have been developed, our mixtures have been improved by their use. You cannot buy better lawn seed.

Improved "Chicago Parks" Mixture

Wherever a lawn is desired which combines the maximum of beauty with a minimum of care, we recommend this mixture. Its basis is a large amount of the finest Kentucky blue grass, which is combined with other suitable grasses in the proper proportion to produce a fine permanent turf. White clover is included in this mixture, but it can be supplied without clover, as stated below. In one pound of Improved Chicago Parks Lawn Seed there are 3,682,560 seeds.

Price, 1 lb., $1.15; 2 lbs., $2.30; 3 lbs., $3.40; 5 lbs., $5.60; 10 lbs., $11.00; 15 lbs., $16.40; 20 lbs., $21.75; 25 lbs., $27.00; 100 lbs., $104.00.

We offer this mixture without clover under the name "Vaughan's Fairway Formula"—Prices same as "Chicago Parks."

Vaughan's Special Purpose Mixtures

We recommend our lawn mixtures, composed of suitable varieties of grass seed, because results are more satisfactory from a correct combination of grasses than from a variety sown alone. Our grass seed division has long been known as an authority on growing fine turf, and for the guidance of our customers we send our booklet on lawn-making upon request and without charge. **A copy of this booklet is enclosed in every carton and bag of Vaughan's lawn seed mixtures.**

For Your Protection—Always remember that we neither buy nor sell seeds that are not tested in our own officially recognized laboratory for purity, germination, identity and freedom from weeds.

Vaughan's "Columbian"
Formula for Shady Lawns or Sandy Soil

In making a lawn on sandy soil or in partial shade, conditions are met which require the use of a special grass seed blend. Vaughan's "Columbian" is the correct blend for such locations.

Price, 1 lb., $1.15; 2 lbs., $2.30; 3 lbs., $3.40; 5 lbs., $5.60; 10 lbs., $11.00; 15 lbs., $16.40; 20 lbs., $21.75; 25 lbs., $27.00; 100 lbs., $104.00.

Vaughan's Dense Shade Formula

An exceptional formula which is particularly adapted to heavily shaded areas and will also do well in lighter shade. We have spared no care or expense to make this lawn seed the best obtainable for the purpose. Does not contain clover.

Price, 1 lb., $1.15; 2 lbs., $2.30; 3 lbs., $3.40; 5 lbs., $5.60; 10 lbs., $11.00; 15 lbs., $16.40; 20 lbs., $21.75; 25 lbs., $27.00; 100 lbs., $104.00.

Quantity to Use—On new lawns, use 1 lb. for every 300 square feet; 5 lbs. for 1500 square feet; 135 to 150 lbs. for one acre. To replenish lawns where turf is thin, use half quantity.

VAUGHAN'S EXCEL MIXTURE

An economy blend for new seedings and quick results which should be followed by reseeding with a more permanent blend like our "Chicago Parks." In spite of its low price, this blend does not contain timothy. Sow at the rate of 1 lb. to every 200 sq. ft. Begin cutting when grass is 3 to 4 inches high and continue to cut regularly to keep turf fine. Price, 1 lb., 90c; 2 lbs., $1.80; 3 lbs., $2.65; 5 lbs., $4.35; 10 lbs., $8.50; 15 lbs., $12.65; 20 lbs., $16.75; 25 lbs., $20.75; 100 lbs., $79.00.

Vaughan's "Private Estate" Bent Formula
FOR LAWNS "DE LUXE"

This formula contains over 98% pure seed and is free of all noxious weeds. In addition to Kentucky Blue Grass of the highest quality, to insure a durable and resistant foundation for your lawn, it includes an important proportion of Certified Bent. It produces a heavy turf of very fine texture.

This mixture is equal or better in purity to the highest priced mixtures on the market and most important, contains more bent seed. It is the best value on the market.

Price, 1 lb., $1.35; 2 lbs., $2.70; 3 lbs., $4.00; 5 lbs., $6.60; 10 lbs., $13.00; 15 lbs., $19.40; 20 lbs., $25.75; 25 lbs., $32.00; 100 lbs., $124.00.

Bent Lawns from Certified Seed

Ask for Our Bent Leaflet

Bent grasses are increasingly popular for lawns, especially in cities where lawns are small in area and extra care is not burdensome.

Seed at the rate of 3 to 4 lbs. per 1,000 sq. ft.

ASTORIA BENT. Astoria Bent is identified by its numerous rootstocks which spread underground and throw up new shoots, making a very thick turf, and by the presence of runners above ground in the early stages of development. This Bent has a good color and is excellent as both a lawn and putting green grass. It does not require as much cutting as Creeping Bent. We highly recommend this type.

SEASIDE BENT. This is a true unmixed Creeping Bent grass seed which spreads by surface runners instead of by the underground root stalks which characterize the Astoria Bent.

Our Bent Leaflet Is Included in Each Bag

ASTORIA BENT GRASS. Price, ¼ lb., 60c; ½ lb., $1.00; 1 lb., $1.75; 2 lbs., $3.50; 3 lbs., $5.20; 5 lbs., $8.50; 10 lbs., $16.75; 15 lbs., $24.75; 20 lbs., $32.60; 25 lbs., $40.00.

SEASIDE CREEPING BENT GRASS. Price, ¼ lb., 55c; ½ lb., 95c; 1 lb., $1.70; 2 lbs., $3.40; 3 lbs., $5.05; 5 lbs., $8.25; 10 lbs., $16.25; 15 lbs., $24.00; 20 lbs., $31.60; 25 lbs., $38.75.

SEE FOLLOWING PAGE FOR LAWN WEED KILLERS, AND PAGE 88 FOR PRICES ON OTHER GRASSES

Feeding Plants Through Leaves Ok'd By Science

A revolutionary idea which after conclusive tests has just been accepted by scientists is that garden plants can be fed by spraying their leaves, better in some cases than by fertilizing the soil.

Leaves absorb the food more quickly than the roots, and a higher percentage of the plant food is used, making it go farther. The effect of food solutions sprayed or sprinkled on the leaves is superior especially in the early spring, when cold weather delays the absorption of food from the soil, and in midsummer, when dry weather slows it down.

By using a siphon solutions of plant food in safe proportions can be mixed with the hose water, and spread easily and evenly over the garden and lawn. Lawns, flowers and vegetables, especially leaf crops, show immediate response. Fruit trees, shrubs and bush fruits have shown long-term benefits, as well as immediate effects. A leaflet giving instructions for "foliar nutrition," is free on request. For siphon see "Hozon", page 81.

STAYGREEN completely soluble liquid fertilizer, 15% nitrogen, 30% phosphorus, 15% potash, is especially suited for feeding through the leaves. The nitrogen is urea, the purest form. 1½ lbs., 50 gals. of solution, $1.00, prepaid, $1.15; 25 lbs., 830 gals. of solution, $9.50, by express, charges collect.

IMPROVED INVISIBLE ROPE REPELS ANIMALS

VAUGHAN'S ANIMAL REPELLANT ROPE. Dogs, cats, rabbits, may be all right in their place, but you don't want them near your plants. This rope is impregnated with improved and more effective oils which set up a barrier of scent which turns them all away. Circle flower bed or border, or vegetable plot, pegging it on the ground, lightly covered. Tie a piece around an upright tree or evergreen, or hide it in the foliage of dwarf specimens. All animals hate this odor, which persists for the entire season. 100 ft., in can, $1.50, prepaid.

KILL WEEDS, FEED LAWN, WITH SAME MATERIAL

FEEDZ AN' WEEDZ. With this dry mixture you can kill lawn weeds and stimulate lawn grasses to fill places left vacant, all in one operation. A way has been found to mix a balanced plant food, 6-10-4, with the selective weed killer, 2,4D, so that both retain full effectiveness. Use a fertilizer spreader to apply to the lawn, at the rate of 1½ pounds for 100 square feet. If your spreader requires it, mix in sand to help spread evenly, and be sure the grass is dry. Wash it in with the hose, as with any dry plant food. 10 lbs., covers 600 square feet, $1.85; 25 lb., covers 1,500 square feet, $3.00; 100 lbs., $8.95.

New Garden Improvements for 1951

WHEN BLUE GRASS LAWN TURNED YELLOW IN HOT WEATHER, THIS TEST PATCH OF B-27 HELD ITS RICH GREEN COLOR.

GROW A NURSERY PLANTING OF MIRACLE BLUE GRASS 27.

144,000 Seeds (1 oz.) Prepaid 50c.

You have read about this grass in the garden magazines. Fred V. Grau, research director for the U. S. Golf Association Greens Committee, found a single superior Kentucky Blue Grass plant growing on a tee of the Merion Country Club, near Philadelphia. It was green when blue grass around it was brown; it was thick and vigorous when its neighbors were feeble. It had stood close mowing without harm. He saved and propagated the single plant, sent samples of seed throughout the country for testing. Everywhere, from Maine to California, from Georgia to Oregon, it retained its superior qualities.

With one ounce of seed you can get a fine start toward converting your lawn to this most-talked about new grass in decades. Sow in rows, let it bear and scatter seeds. It won't be long before you can start a lawn with sod.

Of the small amount of seed in existence we offer 1 ounce, 144,000 seeds, prepaid for 50 cents. Limit of 8 ounces to a customer.

HOUSE PLANTS KILL INSECTS AFTER THIS TREATMENT

Insects which prey on plants can be killed by applying insecticide to the soil. Most successful example is found in sodium selenate, which florists have used for several years, on greenhouse flowers. Tiny insects which infest African violets and other house plants disappear when it is applied to the soil in which they grow. Red spider, mites, aphids, foliar nemotodes, midge and thrips, many so small you would not recognize them, cease to prey on the plants. Sodium selenate is a poison, and should be used with caution. Do not apply it to food plants of any kind. To insure safety when used with house plants we offer it in capsules, each containing a safe but effective dose for an average pot.

BOX OF KAPSULATES, containing 18 capsules of 5% sodium selenate, prepaid for $1.25.

P.C. IS PROVED BEST CRAB GRASS KILLER

P.C. (Potassium Cyanate) which we were first to offer to the public, in last year's spring catalogue, proved its superiority as a crab grass killer in the past season.

When used according to directions, it not only destroyed crab grass without injury to fine lawn grasses (except the bents), but left a residue of nitrogen which stimulated growth.

As compared to mercury compounds, which it supplants, P.C. killed mature crab grass plants which the mercury compounds left alive, and showed no injury whatever to lawn seed sown immediately after treatment. Mercury compounds on the other hand caused poor germination of seed and weak growth of seedlings for two months after application.

When applied dry mixed with a water-retaining spreader, this effect continues longer than from a spray.

P.C. can be used without special precautions except on bent grasses, which it usually discolors and in excessive strength may kill. Reduced to half the recommended strength, but using more applications, it will seldom cause more than a slight discoloration for a few days. Be sure to use a spray, not a sprinkler, when applying P.C. to bent lawns.

Grasses should be growing vigorously when P.C. is applied, but the foliage should be dry. Detailed instructions are supplied.

CRAB—NOT CONTAINING POTASSIUM CYANATE

STANDARD FORMULA

4 oz.	700 to 1,400 sq. ft.	$ 1.00
16 oz.	2,800 to 5,600 sq. ft.	$ 2.95
6-lb.	16,800 to 33,600 sq. ft.	$10.95
40-lb.	2½ to 5 acres	$51.50

POTASSIUM CYANATE WITH "2-4-D"

4 oz.	700 to 1,400 sq. ft.	$ 1.25
16 oz.	2,800 to 5,000 sq. ft.	$ 3.50
6-lb.	16,800 to 33,600 sq. ft.	$12.50
40-lb.	2½ to 5 acres	$59.00

LIFELONG PLASTIC PLANT PROTECTORS

PLASTEX-HOTHOUSE. For centuries gardeners have covered young plants to protect them from late frosts, and speed up the harvest. The plastic age has made it possible to produce a life-long, unbreakable protector with unique advantages, at a low price. Plas-tex Hothouses come in two forms, oval, 5x8 in., 5 in. high, and round, 6 in. diameter, 6 in. high. Moulded of polystyrene, fully transparent and unbreakable. Tests prove they reduce hazards, speed up growth, and last indefinitely. Oval or round size, your choice, 12 for $4.20; 25, $7.50; 50, $14.00. Prepaid.

New Flowers and Specialties

New All America Marigold

3137 GLITTERS. Judges in the All America trials for 1951 introduction awarded a **bronze medal** to this clear yellow blossom, which they judged an improvement over older varieties of similar coloring. It has large clear yellow double chrysanthemum flowered blooms, bushy erect plants, 2½ ft. tall, with long cutting stems. Foliage dark green, rich back-ground for the 3 to 4 inch flowers of clear yellow with fringed outer petals. Earlier and dwarfer than Mammoth Mum; larger flowered and lighter colored but with habit of Golden Bedder. Pkt., 25c.

3137 **MARIGOLD GLITTERS.** Pkt. **25c.**

632 **VAUGHAN'S SPECIAL MIXTURE OF PRINCESS ASTERS.** Pkt., **25c.**

New Wilt Resistant Princess Asters

Culture: A, B, D or E, Page 50

Vaughan's Princess Asters are of a new type, characterized by full crested centers surrounded by several rows of guard petals, producing fully double flowers whose beauty is evident from the illustration. Plants are branching, giving a bushy effect in the border. They are early and free bloomers and make splendid cut flowers.

625 PRINCESS ANNE. Delicate pink turning to rose pink.
624 PRINCESS BARBARA. Orchid.
626 PRINCESS BONNIE. Salmon rose.
618 PRINCESS ELIZABETH. Pure white.
623 PRINCESS GOLDEN SHEAF. The deepest yellow Aster yet offered.
621 PRINCESS LINDA. Clear Rose
619 PRINCESS MARGARET. A true rose.
627 PRINCESS MARSHA. Cinnibar scarlet.
620 PRINCESS SUSAN. Clear deep blue.
632 VAUGHAN'S SPECIAL MIXTURE OF PRINCESS ASTERS, containing all the above, including the 1950 introductions.

Each of the above, Pkt., 25c.

Tithonia Wins Silver Medal

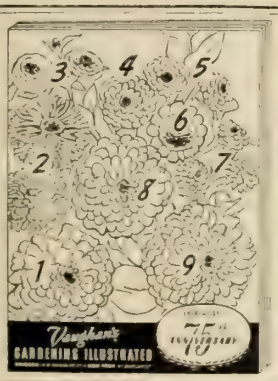
5644 TORCH. A dwarf form of this Mexican plant with brilliant orange-scarlet flowers, has long been the goal of plant breeders. In its native form it often grows 12 feet tall. Judges in the All America trials for 1951 decided the goal had been reached, and gave this new variety a Silver Medal, highest floral award of the year. It grows 3 to 4 feet tall, depending upon your location, and bears flowers of the same brilliance as the taller variety Fireball, but is much earlier to bloom. A tender annual which stands the summer heat and seems free from all diseases. Of compact upright bushy form, 4 ft. in height, with luxuriant foliage and strong straight stems for cutting, as well as for brilliant garden display. Pkt. 25c.

5644 **TITHONIA TORCH.** Pkt., **25c.**

And Now, An F1 Hybrid Petunia

4010 PETUNIA SILVER MEDAL. 15 in. We have hybrid corn and cucumbers, which scientists say are better than ordinary kinds because of a mystic quality called "hybrid vigor." So here is a hybrid Petunia, bred from two parent strains, crossed by hand pollination, perhaps the forerunner of many such plants to bring new beauty to our gardens. "Silver Medal Petunia" won the top award of the All America Trials for 1949, by qualities described as follows: 3-inch flowers of bright salmon pink with rose sheen, borne in amazing abundance on dense plants 15 to 18 inches wide, so vigorous they resist "breaking apart" in the row even in bad weather. Flowers from seed in 90 days, and continues until frost. Pkt., 50c.

4010 **PETUNIA** Silver Medal. Pkt., **50c.**



Zinnia Cover Collection

1—6145	DAHLIA FLOWERED GOLD MEDAL MIXTURE	$0.15
2—5908	FANTASY MIXED	.15
3—6025	CUPID MIXTURE	.10
4—6105	PUMILA VAUGHAN'S SPECIAL MIXTURE	.15
5—6075	LILLIPUT VAUGHAN'S SPECIAL MIXTURE	.15
6—6159	SCABIOSA FLOWERED MIXED	.15
7—6126	VAUGHAN'S MIDGET (MEXICANA) MIXTURE	.15
8—6156	CALIFORNIA GIANTS VAUGHAN'S SPECIAL MIXTURE	.15
9—5895	SUPER GIANT VAUGHAN'S SPECIAL MIXTURE	.25
		$1.40

6185 **COVER COLLECTION.** Pkt. each 9 distinct types illustrated on Front Cover ($1.40 value) ..... for $1.00

887 **ASTER** Giant California Sunshine Mixed. Pkt., **25c.**

Sunshine Asters

887 ASTER GIANT CALIFORNIA SUNSHINE MIXED. 2 ft. Though not new, many consider this the most beautiful of all asters. The flowers 4 to 5 in. across, are composed of a single row of loosely placed outer petals which contrast with the unique yellow quill-like center discs. Stems long and heavy on plants 2 to 3 ft. in height. Blooms early to mid-September. ⅛ oz., 50c; pkt., 25c.

850 **ASTER** Ballet Type. Pkt., **25c.**

850 ASTER BALLET TYPE MIXED. The new Queen Type with full centers, large flowers and long stems. Very early to flower, it is highly wilt resistant. A well-balanced color range which includes purple, rose, light blue and white. Pkt., 25c.

Chinese Larkspur

Chinese Delphinium blooms from seed the first year if sown early and may be treated as an annual though it is a hardy perennial and plants will last many years. Fine for beds and border masses. Rarely needs staking and is covered with flowers all summer and fall.

7520 CHINESE BLUE. 2–3 ft. Pure blue. Pkt., 10c

7523 CHINESE BLUE MIRROR. One of the few true navy blue flowers. Pkt., 35c.

7525 —ALBUM. 2–3 ft. Pure white. Pkt., 10c.

7522 —CAMBRIDGE BLUE. 2 to 3 ft. A good light blue. Pkt., 25c.

7530 —MIXED. Pkt., 10c.

Lilium

8161 TIGRINUM. The brilliant orange "Tiger Lily" with its striking brownish spots. A long-time garden favorite, again available. Pkt., 25c.

New Antirrhinums

GIANT RUFFLED "TETRA-SNAPS"

428 TETRA YELLOW. Long spikes of clear yellow with very large flowers. Base branching. Pkt., 25c.

430 SUPERFINE MIXED. 18 in. A new race of snapdragons created scientifically by treating normal flowers with the drug colchicine, which made a fundamental change in the cell formation, in technical terms changing diploids into tetraploids. This resulted in larger flowers, with thicker petals, attractively ruffled, fuller spikes with more florets open at one time, heavier stems and sturdier plants. Each plant produces several stems, the central spikes averaging 2½ ft. surrounded by lesser ones. Mixture includes a complete range of snapdragon colors in harmonious combinations. Pkt., 25c.

Aquilegia

7152 VAUGHAN'S SUPER LONG SPURRED MIXTURE. 18 in. Flowers of enormous size in brilliant color range; 3 to 4 inch spurs. Pkt., 50c.

7165 JAETSCHAUI. Large yellow flower with peach-red spurs. A color combination so popular in the Rose Talisman. Pkt., 25c.

7522 **DELPHINIUM** Chinese Cambridge Blue. Pkt., **25c.**
7523 Chinese Blue Mirror. Pkt., **35c.**

437 NARAMEK STRAIN MIXED. A vivid mixture of gypsy colors, including two-tone combinations of yellow-bronze, pink-rose, yellow-ruby and orchid-rose. Many oddly marked and streaked. Strong spikes with individual florets 1½ in. across. Entirely different from any other Snapdragon in commerce. Pkt., 25c

430 **ANTIRRHINUM TETRA,** Superfine Mixed. Pkt., **25c.**

1212 **CALENDULA** Pacific Beauty Mixed. Pkt., **25c.**

1500 **CENTAUREA** Jubilee Mixed. Pkt., **25c.**

New Color Brilliance in Pacific Calendulas

In this latest version of the flower which Shakespeare knew as "marygold," the long, rather loosely arranged petals have highlights which produce a two-toned effect, when they reflect the sunshine or glow in artificial light. Flowers are uniformly larger, stems longer, and color more brilliant, and the plants are resistant to midsummer heat. Though not a hardy plant, calendulas are usually the last annual flowers to remain blooming in the fall garden. Many sow seed late in June for autumn flowers.

1209 PACIFIC GOLDEN GIANT. 24 in. True golden orange, petals tipped with a lighter tone. Exceptionally large flowers

1208 —APRICOT BEAUTY. A new strain uniformly larger with longer and straighter stems and more resistance to summer heat. The attractive two-toned effect is more clearly pronounced than in the older type

1210 —CREAM BEAUTY. Creamy-white deepening to soft yellow makes this the most delicately colored of all Calendulas. Combines well with all other colors

1211 —LEMON BEAUTY. Pure lemon yellow. Long petals give the flowers a graceful appearance. Centers are well covered with incurving petals

Each of the above; Pkt., 25c; any 4 pkts., for 80c

1212 PACIFIC BEAUTY MIXED. A blend of the above described varieties. Pkt., 25c.

1802 **THE GOLDEN CLEOME.** Pkt., **25c.**

1802 THE GOLDEN CLEOME. 4-8 ft. A new color in the spider flower. Blossoms resemble Cleome Pungens in form, but are of a rich gold, approaching orange, carried in abundance on stems which will grow eight feet. To keep them lower, crowd the plants. It prefers a location in the full sun, and likes sandy soil. Blooms from mid-July until killing frosts. Pkt., 25c.

White "Spider-Plant"

Culture: D or E, Page 50

1804 CLEOME HELEN CAMPBELL. Large glistening pure white flowers on tall, vigorous, light green stems. A sport from Pink Queen, coming into bloom slightly earlier and with larger flowerheads. Pkt., 25c

1803 CLEOME PINK QUEEN. 4 ft. Huge heads of delightful and refreshing true pink. Well branched, airy foliage, blooming from June until frost. Excellent background subject. Pkt., 25c.

Many Colors in Dwarf Bachelor-Buttons

1500 CENTAUREA JUBILEE MIXED. 1 ft. Colors illustrated above are included in this mixture. The plants have a similar habit to blue Jubilee Gem, and white Polar Bear, (see page 22), forming low bushes with a blossom terminating every stem and branch. Self-seed in most localities, and do well from fall sown seed. Pkt., 25c.

Triple Angel's Trumpet

2112 ANGEL'S TRUMPET IVORY KING (DATURA). "Crown-in-crown" flowers of that enchanting rich golden ivory coloring one finds in antique ivory chessmen, which blends perfectly with all other colors. Ivory King is a vigorous growing annual that is in bloom from mid-July until frost. Plants about 30 in. tall, as broad as they are tall. Pkt., 35c

2112 **ANGEL'S TRUMPET IVORY KING.** Pkt., **35c.**

Pacific Hybrid Delphiniums

Culture: B, D or E, Page 50

Because of superiority to other strains, in many important points, Pacific Hybrid delphiniums have become by far the most popular in this country. We offer its named varieties with the assurance that they come so true from seed, you may count upon plants with little if any variation from the variety description. Plants are 60 to 65 mildew resistant. The stems are straight, strong and whippy, not easily broken by wind. Flowers are enormous, and set close together forming lovely plumes of color. Hybrid delphiniums dominate the garden in late June. In deep, rich soil they grow six feet or more tall, with long spikes of vivid color, or clear white. Besides the Pacific Giant hybrids we offer others which in our opinion are the best available in the world.

PACIFIC GIANTS

☞ **Illustrated on the left.**

1 BLUE JAY **3 GALAHAD**
2 GUINEVERE **4 SUMMER SKIES**
5 KING ARTHUR

7566 MIXTURE OF THE FIVE VARIETIES above. Pkt. about 200 seeds $1.00; pkt. about 100 seeds 50c.

This strain produces plants that are 60 to 65 percent mildew resistant. The flowers are of immense size, tightly set on straight stems that are strong and whippy. The flowers **do not shatter.** Seeds germinate in 20 days.

7559B BLUE BIRD. A clear medium blue with white bee with high tall spikes. Pkt., about 200 seeds $1.00, pkt. about 100 seeds 50c.

7563 BLACK KNIGHT. Large flowers of varying dark violet shade. Pkt., about 200 seeds, $1.00; pkt., about 100 seeds, 50c.

7559A BLUE JAY. From medium to dark blue with dark bee. Pkt., about 200 seeds, $1.00; pkt., about 100 seeds, 50c.

7563A CAMELIARD SERIES. This is a pure lavender self with white bee. Pkt., about 200 seeds, $1.00; pkt., about 100 seeds, 50c.

7560 GALAHAD. Clear white, highly mildew resistant. Pkt., 200 seeds, $1.00; pkt., 100 seeds, 50c.

7561 KING ARTHUR. Royal violet, large white bee. Pkt., 200 seeds, 75c; pkt., 100 seeds, 40c.

7565 PERCIVAL. The large glistening white flowers with strongly contrasting black bees are beautifully spaced on long tapering spikes. Very vigorous and free growing habit. Pkt., (100 seeds), 75c.

7561A GUINEVERE. Light pink lavender with white bee. Pkt., about 200 seeds, 75c., pkt., about 100 seeds, 40c.

7562 SUMMER SKIES. Light blue with white bee. Pkt., 200 seeds, 75c; pkt., 100 seeds, 40c.

7559 ROUND TABLE SERIES. As the name implies this represents all of the color combinations of the above Knights and their Ladies. Pkt., about 200 seeds, 75c; pkt., about 100 seeds, 40c.

STANDARD COLORS OF PACIFIC GIANTS

7556 DARK BLUE SHADES. Pkt., 50c.

7557 LIGHT BLUE SHADES. Pkt., 50c.

7558 LAVENDER PASTEL. Color range from lavender, generally of two tone combinations, brown or black bees. Pkt., 50c.

7558A MIXED. The three varieties of the above standard sorts. Pkt., 50c.

7569 WREXHAM HOLLYHOCK-FLOWERED STRAIN, MIXED. Giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor 1½ to 2 inches in diameter, many double. Pkt., 50c.

Other Hybrids

7550 BELLADONNA IMPROVED CLIVEDEN BEAUTY. 2 ft. June-July. Exquisite turquoise blue. Pkt., 20c.

7552 BELLAMOSUM IMPROVED. Large deep blue flowers, uniform in color, with a white bee. Blooms 2½ inches across. Pkt., 25c.

7564 BLACKMORE AND LANGDON STRAIN. A famous English strain. All the clear shades of blue, with bees of contrasting colors. Pkt., 35c.

7547 CARDINALE. "Scarlet Larkspur," a native California species with long spikes of scarlet flowers; seed germinates slowly. 2–3 ft. Pkt., 25c.

7571 DELPHINIUM Vaughan's Special Mixture. This contains the Elatum varieties, both double and single, the Butterfly, Chinese and all the other various kinds. Pkt., 35c.

New Colors in "Baby Snaps"

3035 LINARIA NORTHERN LIGHTS. Brilliant new colors characterize this new strain of the popular "Baby Snapdragon". Clear whites, bright yellows, vibrant blues and carmines are combined with a liberal sprinkling of reds and bronzes with yellow lip. Plants are bushy and erect; easily grown from seed and provide a quick show of color. 15 in. Pkt., 25c.

Dark Red Morning Glory

2903 IPOMOEA DARLING. Giant flowers, up to 4 inches in diameter, of a rich wine red with snowy-throat that provides enough contrast to make flowers stand out immediately. An easily cultivated annual climbing vine, of vigorous growth and very free flowering. Pkt., 25c.

2262 **DIANTHUS DOUBLE GAIETY.** Pkt., **25c.**

3157 **VAUGHAN'S SPECIAL MIXTURE OF SMALL FLOWERED MARIGOLDS,** including all varieties illustrated, Pkt., **25c.**

Dianthus

2262 DOUBLE GAIETY. A new double form of this popular annual. The fringing and twisting of the petals avoids any feeling of heaviness while the large flowers come in a bewildering variety of colors, red, white, pink and maroon, and are borne on 12 inch stems on compact plants. Pkt., 25c

7599 PLUMARIUS ESSEX PINKS. A specialists' selection from the popular Highland Hybrids. Beautifully marked flowers in a wide color range, borne on stiff wiry stems, 15 to 20 in. long. Pkt., 25c

Lupinus Polyphyllus

Culture: A, B, D, or E, Page 50

Inoculate Lupin seed with Nitragen. Two garden sizes, 10c and 25c. Chill seed before sowing. Germinates in 8–10 days.

8171 FAMOUS RUSSELL STRAIN. MIXED COLORS. These remarkable Lupins are often 3½ ft. in length. Flowers in 4 months from sowing. Pkt., 25c

Dianthus Barbatus

Culture: A, B, D, or E, Page 50

In early June, when summer flowers are not yet in bloom and there is little in the garden available for cut flowers, the Sweet William is most welcome. Seeds germinate in 8 days

7715 VAUGHAN'S SPECIAL MIXTURE OF SWEET WILLIAM of all listed and others. Pkt., 25c.

7715 **SWEET WILLIAM** Vaughan's Special Mixture of all listed and others. Pkt., **25c.**

3131 **MARIGOLD** Real Gold. Pkt. **25c.**

New Giant Marigolds

3131 MARIGOLD REAL GOLD. 2 ft. Large carnation-type flowers up to 4½ inches across are borne on compact bushes, rather late in season. Color is golden orange illumined with yellow and flowers are abundant. Pkt., 25c

3130 FRILLS. 2 ft. A new color in the frilly carnation-type marigolds with odorless foliage. Flowers grow 3½ in. across, clear, vivid golden orange with petals beautifully frilled and waved. Low growing plants produce their lovely flowers profusely summer and fall. Valuable for garden decoration; the long-stemmed flowers highly prized for cutting. Pkt., 25c

3139 HAPPINESS. The large chrysanthemum-like flowers, 3¼ in. across, are a cheerful golden-yellow. Plants are of uniform habit, growing 16 in. tall early to flower and a profuse bloomer. An excellent companion to Golden Bedder. Pkt., 25c

3189 SUNNY. 15 in. Cheerful, single, bright yellow flowers, about 2 in. across with attractive wavy edges. Plants are well-rounded, and covered with blooms. Pkt., 25c.

Linum (Flax) 12 to 18 in.

Culture: C, Page 50

One of the best sources of vivid blue and yellow in the perennial border. Seeds germinate in 8-10 days

8127 NARBONENSE HEAVENLY BLUE. The flowers are twice as large as the common Linum Perenne. The color is a luminous ultramarine blue. Blooms from seed the first year. Pkt., 25c

Dwarf Marigolds

Culture: A, B, D or E, Page 50

A delightful group of highly decorative small flowered marigolds has been developed in the last few years. The increased color range extends from bright yellow to darkest maroon, with many attractive blends of yellow, red and orange. Their great variety lends interest to bowl arrangements and there is no better subject for the cutting garden than mixture of small flowered marigolds

3157 VAUGHAN'S SPECIAL MIXTURE of small flowered marigolds, including Gnome, Red Head, Naughty Marietta, Royal Scot, Harmony, Melody, Yellow Pigmy, Scarlet Glow, Robert Beist and others. Pkt., 25c

3196 CUPID. 6 in. Dwarf in habit, large Primrose yellow chrysanthemum-like flowers completely cover the plant. Foliage without marigold odor. Marvelous for edging or border. The flowers are 2 to 2½ in. across. Pkt., 25c

3197 CUPID ORANGE SHADES. The large chrysanthemum-like flowers in rich shades of orange completely cover the plant. In size the flowers are equal to that of Marigold Cupid, 2 to 2½ in. across, and the dwarf compact plant but 6 in. tall. An odorless foliaged variety. Pkt., 25c

3164A DWARF FRENCH DOUBLE BUTTERBALL. 10 in. The name fits this pretty edging variety of canary yellow. It grows in a mound covered with 1½-inch globular blossoms. Early and continuous flowering, excellent for ribbon planting or pot plants. Pkt., 25c.

3163 B YELLOW PYGMY. 8 in. Light lemon-yellow, Lilliput French double. Small, 1¼ in. blooms, rather free and exciting for edging beds. Pkt., 15c.

3196 **MARIGOLD** Cupid. Pkt., **25c.**

Lilies from Seed

Many Lilies are easily grown from seed. A leaflet describing the simple methods will be sent free with each order. Seeds germinate in 20-30 days

8164A MIXTURE OF HARDY LILIES. Includes seeds of 50 Lilium species and Hybrid strains. Pkt., 25c

3901 **PANSY SWISS GIANT** Raspberry Rose. Pkt., **50c.**

Lovely New Swiss Giant

3901 PANSY SWISS RASPBERRY ROSE. An entirely new color in the Swiss Giant strain. A lovely tint of pink best described as Raspberry Rose. It has a suggestion of a lighter tone on the edges of the petals and is marked with a velvety blotch in a deeper tone. An outstanding novelty we are glad to offer again. Pkt., 50c

3775 PANSY BUTTERFLY HYBRIDS. A pastel strain with colors in pink, buff, overlaid in pink or bronze, orchid, lavender, yellow, from delicate pale gold to rich orange, pastel red, salmon, coral, rose, all overlaid with a delicate bronze. Pkt. (100 seeds), 75c.

4251 **POPPY** Pierrot. Pkt., **25c.**

Largest Flowering Dwarf Phlox-Beauty

The finest large flowered Dwarf Phlox. Round compact bushes 6 to 8 in. in height, covered with large blooms which are almost twice the size of the regular strains. The shades are clear and soft, many being pure self colors.

4166 BLUE BEAUTY
4167 CRIMSON BEAUTY
4168 MAUVE BEAUTY
4169 PINK BEAUTY
4170 SALMON BEAUTY
4171 SCARLET BEAUTY
4172 VIOLET BEAUTY
4173 WHITE BEAUTY

Each of the above, pkt., 25c.

4174 BEAUTY MIXED, a formula blend. Pkt., 25c.

New Giant Salpiglossis

4620 DWARF GIANT FLOWERED SALPIGLOSSIS MIXED. Giant flowers of all the delightful colors of this gold-veined trumpet flower are borne on low growing plants of compact habit, and will cover the bed or border with glowing color. Many consider this the best of all summer cut flowers. Pkt., 20c

4426 **PORTULACA** Jewel. Pkt., **25c.**

A Floral Jewel

4426 PORTULACA SINGLE JEWEL. No one who has in mind the usual Portulaca flower can imagine the beauty of this new variety, which is four times as large, and of a brilliant deep crimson coloring. It is as free flowering as smaller varieties. Pkt., 25c

4442 PORTULACA DOUBLE SCARLET GLOW. A brilliant orange scarlet of true double form. Plant in a sunny spot when the ground is warm in the spring and it will be a mass of color all summer. Pkt., 25c

Brilliant Red Annual Poppy

4251 POPPY PIERROT. Brilliant scarlet-red flowers on 20 in. stems, with striking black blotches at the base. Extremely free flowering, and the rich color is emphasized by the light grayish-green foliage. Blooms within eight weeks from sowing. Pkt., 25c.

4174 **DWARF PHLOX** Beauty Mixed. Pkt., **25c.**

PHLOX

8340 DECUSSATA MIXED. 2-3 ft. This special mixture comes from a superior collection of large-flowering sorts. Perennial Phlox do not come true from seed and can be had only in mixture. Seed germinates slowly. Pkt., 25c

New Salvias

4656 SALVIA SPLENDENS ROSE FLAME. Rich coral pink which blends well with other flower colors and overcomes the objection of many to the vivid scarlet sage tones. More brilliant and desirable than any other pink that has been introduced to date. Pkt., 25c.

4642 SALVIA SPLENDENS BRIGHTNESS. The plants grow as tall as the old Splendens. The habit is much more compact and the bloom is much earlier, starting about the same time as Bonfire. We consider it a great improvement on Splendens. Pkt., 25c

SKY-BLUE STAR FLOWER

4825 THE SOUTHERN STAR (OXYPETALUM COERULEUM). Star-shaped flowers measuring 1 in. across, are borne in long loose sprays. The stems arch so that the lovely blue blossoms, veined or penciled with silver, face upward. A valuable addition to the all too short list of blue annuals. Sown in early April, it flowers in June and continues blooming until cut down by frost. Pkt., 25c

3949 **PETUNIA** All Double Colossal Shades of Rose. Pkt., (100 seeds), **$1.00.**

4051 **PETUNIA** Ruffled Little Giants. Pkt., **50c.**

All Double Petunias

3949 COLOSSAL SHADES OF ROSE. 18 in. Largest All-double variety of American introduction. Silver Medal 1946. Plants of luxuriant growth bear 4½-inch flowers in abundance, varying in color from light pink to deep, purplish rose, some being fringed and some plain-edged. Lovely in bowl arrangements Pkt., (100 seeds) $1.00

3933 MRS. DWIGHT EISENHOWER. 16 in. Silver Medal 1947. Soft salmon pink flowers, fully double, average 2¾ inches in diameter. Plants are low, compact, and of good habit. Splendid cut flower. Pkt., (100 seeds) $2.00

PAN AMERICAN STRAIN

3936 ALLEGRO IMPROVED. 18 in. Large fully double flowers of deep salmon pink have fringed petals, and enchanting form. Plants vigorous, compact. Pkt., (100 seeds) $1.00

3937 CAPRICE. 15 in. Deeply fringed flowers of bright rose are borne on compact dwarf plants. The favorite petunia color. Pkt., (100 seeds) $1.00

3938 NOCTURNE. 18 in. Dark blue purple blossoms, with petals of plain edge, accent the beauty of lighter colors in border and in flower arrangements. Pkt., (100 seeds) $1.00.

3939 SONATA. 18 in. Best All-double white. Large pure white double flowers with fringed petals, are borne on vigorous branching plants. Invaluable in all arrangements. Pkt., (100 seeds) $1.00

3940 GLORIOUS MIXTURE. Contains tall and dwarf varieties in all the above colors. Pkt., (100 seeds) $1.00.

4067 **PETUNIA** White Cloud. Pkt., **35c.**

New Single Petunias

Culture: A, B, D or E, Page 50

4051 RUFFLED LITTLE GIANTS MIXED. 8-10 in. A brilliant mixture of large fringed and ruffled flowers which cover the dwarf erect plants. The flowers are pure pink, pink and white, pure red, and red and white Fine for borders. Pkt., 50c

4060 DAZZLER. A new, exceedingly brilliant, large flowering, low growing, vivid scarlet. Pkt., 35c.

4099 DWARF PINK GLORY. A very large well formed flower of exquisite luminous pink with a contrasting paler throat, plant dwarf and compact. Pkt., 25c.

4011 WHITE PERFECTION. 10 in. Flowers pure white of good size cover the plant. One of the best dwarf whites. Pkt., 25c.

4067 WHITE CLOUD. Fine compact bushes only 12 inches high, richly covered with pure white blooms 3 to 3½ inches in diameter. Pkt., 35c

4080 **PETUNIA** Tango. Pkt., **50c.**

SINGLE FRINGED TYPE

4080 PETUNIA TANGO (F1HYBRID). Deep salmon outside of bloom, shading to scarlet salmon nearer throat. Beautifully fringed flowers, 3½ to 4 inches across. A truly dwarf plant but due to hybrid vigor are strong growing and extremely free blooming. 12 to 15 in. high, with a spread of 2 ft. Very brilliant. Pkt., 50c

4053 FRINGED ROSE CHARM. Rose pink, the color of Setting Sun. Low, compact plant, a companion to White Mound. Pkt., 25c

4084 GIANT RUFFLED IRENE. Glowing cherry scarlet, with white center, center slightly veined Flowers four and a half to five inches in diameter. This is the brightest red of all large fringed varieties. Pkt., 35c.

Primula

There is a growing appreciation of the beauty of the amazingly varied Primrose family. Blossoming in April and May, their brilliant colors have few rivals in plantings along shady paths or in the rock garden. Seed germinates in 15-30 days

Culture: C or B, Page 50

8403 ACAULIS BLUE. The finest obtainable, being regular and rich in color. Pkt., (100 seeds) $1.00.

Polyantha Type (Bunch Primrose)

These are showy, cluster-flowered, of exceptional size, thriving in rich, moist soil

8420 —COLOSSEA MIXED. The large heads of florets are borne on stiff stalks in new shades of lilac, pink, copper as well as the darkest red. Pkt., (100 seeds) 50c.

4084 **PETUNIA** Giant Ruffled Irene. Pkt., **35c.**

5857 **ZINNIA** Floradale Scarlet. Pkt., **25c.**

New Type Zinnias

CANDY STRIPED

6180 ZINNIA PEPPERMINT STICK MIXED. An interesting new development in the popular striata or striped type, reselected for a wider color range, including red and white, red and yellow, pink and white, orange and white and purple and white. Plants are somewhat taller than the Pumila type, flowers are medium sized. Early to flower, they are produced in profusion until frost if kept picked. Pkt., 25c.

CACTUS FLOWERED

5857 ZINNIA FLORADALE SCARLET. Although among the largest of modern Zinnias, this intense scarlet-red flower is unusually graceful in form, with twisted and quilled petals that give it an informal air without any trace of stiffness. Strong vigorous stems up to 30 in. tall, with flowers often measuring 5 in. across. Pkt. ,25c.

YELLOW MINIATURES

6124 ZINNIA MEXICANA GOLDEN YELLOW. Double, miniature zinnia flowers of bright golden yellow, fine for edgings; excellent for low bowl arrangements. Pkt., 25c.

COLORFUL BUTTONS

6050 ZINNIA LILLIPUT TOM THUMB MIXTURE. Small double flowers cover the plants which grow 6 inches tall. Red, orange, pink, yellow and white pastels. Delightful for low bowls. ¼ oz., 50c; pkt., 15c.

6180 **ZINNIA** Peppermint Stick Mixed. Pkt., **25c.**

5895 **ZINNIA** Super Giants, Vaughan's Special Mixture. Pkt., **25c.**

5895 SUPER GIANTS, VAUGHAN'S SPECIAL MIXTURE. A new strain remarkable not only for its great size, but for many colors not found elsewhere. Petals are fringed, some picoteed, with many two-toned combinations. It is a mixture, not yet selected into well fixed varieties which come true, but this fact will heighten its interest for many gardeners, who will be delighted by many lovely pastel tones, as well as dark shades to be found in every planting. Petals are usually waved and fringed. Flowers grow 5½ to 6½ inches in diameter; tones of cream, buff, apricot, salmon, rose and orange predominate, but there are also flowers of yellow, white, scarlet and crimson, with many two and three-tone combinations. Pkt., 25c.

6168 ZINNIA CALIFORNIA GIANTS ISABELLINA. A beautiful soft cream-yellow, blending well in all color combinations in the garden or in flower arrangements. For many years unobtainable, we are again able to offer seed. Pkt., 25c.

Bush Type Verbenas

5725 VERBENA (BUSH TYPE) FIRELIGHT. The most vivid red Verbena. The bushy, even growth provides masses of closely spaced blooms which achieve a carpet of fiery brilliance unequaled in any other border or bedding plant. Pkt., 25c.

5724 VERBENA (BUSH TYPE) SNOW WHITE. A fine large flowered pure white. Plants at full growth are 8 to 10 inches high and 12 to 15 in. across. Snow White, with its closely spaced trusses of bloom, is an excellent addition to this fine strain. Pkt., 25c.

OTHER NEW VERBENAS

5721 VERBENA SALMON KING (GRANDIFLORA). A pleasing shade of clear deep salmon. Florets larger by comparison with any other variety of Verbena. The plant habit is of tight compact growth, eliminating the open centers. Pkt., 25c.

5720 VERBENA VIVID (GRANDIFLORA). The most brilliant sunproof scarlet, brighter and more intense in color than Spectrum Red. Large uniform trusses, and proportionately large florets. The numerous trusses growing close together form a solid carpet about 8 in. tall. Pkt., 25c.

6168 **ZINNIA** Isabellina. Pkt., **25c.**

Many Color Mixture of Sweet Tobacco Flowers

Culture: A, B, D or E, Page 50

3402 NICOTIANA DAYLIGHT SENSATION MIXED. 1½–2 ft. This new strain provides a brilliant color range lacking heretofore. Bright scarlet, crimson, rose, mahogany, violet, yellow, coral, lilac and white are included. The blooms remain open day and night, unlike the standard nicotiana, which closes in sunlight. Pkt., 25c.

3403 NICOTIANA DAYLIGHT. 1½–2 ft. In this new hybrid the white blooms remain fully open during even the most brilliant sunshine. The plants are of bushy habit, throwing an abundance of pure white flowers with the same delightful scent in the evening as Nicotiana Affinis. It makes an ideal subject for bedding purposes. Pkt., 35c.

Annuals for Cut Flowers

1400 The forty or more varieties in this blend are chosen for their value as cut flowers. They are the long stemmed brightly colored flowers that go so well in vases and baskets. This will produce a glorious variety of flowers for cutting. We suggest planting in rows in the vegetable garden where the plants may be cultivated. 1 oz., 50c; ½ oz., 30c; pkt., 15c.

1400 **ANNUALS** for Cut Flowers. Pkt., **15c.**

Surprise!

GARDEN MIXTURE

If You Want a Thrill, Sow in Your Garden This Year This Mixture of 80 Different Annual Flowers, 1 to 3½ Feet Tall. Oz., 25c.

5848 VAUGHAN'S SURPRISE GARDEN OF ANNUALS is made up of sun loving annual flowers which will keep the garden gay from early summer until killing frost. It is not a collection of leftovers; but a carefully prepared formula of more than eighty different annual flowers, many of which you have never seen. We want you to know them, and you will be delighted to make their acquaintance and probably will want to order separately another year. Furnishes an unending amount of cutting material and a daily surprise to see what will appear next. Allow plenty of space to avoid crowding, keep watered and weeded, and remove faded flowers. These packets make welcome gifts. **Oz., 25c; ¼ lb., 90c.**

5848 **SURPRISE GARDEN MIXTURE.** Oz., **25c.**

STANDARD LIST OF ANNUAL FLOWERS TO BLOOM FROM SEED THIS SUMMER

Two of the Best Garden Blues

195 **AGERATUM** Midge Blue Pkt. **25c**

Ageratum

Culture: A, B, D or E, Page 50

One of the best sources of blue-purple flowers which are so important to balance color-effects in the garden. Its dense, tightly clustered heads of tubular flowers are borne freely until killing frost. Germinates in 5–10 days.

195 MIDGET BLUE. 3 in. Of varieties suitable for ribbon-planting this is the most uniform in habit and even in color, when grown from seed. Flowers of ageratum-blue smother the globular plants. Pkt., 25c.

197 BLUE BALL IMPROVED. 6 in. Flowers are of deep periwinkle blue, covering the compact plants, which have dark green foliage. Pkt., 25c.

198 BLUE BEDDER. 4 in. The color is deeper than Blue Ball Improved, the plants more compact and equally uniform. Pkt., 25c.

200 BLUE CAP IMPROVED. 4 in. Flowers are of lighter blue, and plants equally uniform and compact. 1–16 oz., 50c, pkt., 15c.

217 LITTLE BLUE STAR. 4 in. Small bright blue flowers cover the compact growth of this exceptionally dwarf and uniform variety. Time tried and still a favorite. Pkt., 15c.

187 PURPLE PERFECTION. 8 in. Large vivid dark purple, flowers on compact plant. Darkest of all in color. Excellent for ribbon planting. Pkt., 15c.

180 TALL BLUE. 18 in. For cut flowers, or use in the border as a foil for other colors, this is excellent. Its soft lavender harmonizes with any color, and adds to its effect. Pkt. 15c.

OTHER COLORS

214 FAIRY PINK. 5 in. A compact dwarf of soft salmon pink which begins to flower when 2 inches high and develops into a compact mound of bloom. Pkt., 25c.

220 LASSEAUXI. 1 ft. Flowers of clear pink, excellent for cutting or border effect. Pkt., 15c.

221 GOLDEN AGERATUM. 12 in. Not of the ageratum family, this has flowers of golden yellow of ageratum form. It is an annual, (Lonas Inodora). Pkt., 25c.

311 **ANCHUSA** Blue Bird. Pkt., **15c.**

Anchusa Blue Bird

Culture: A, B, D or E, Page 50

311 2 ft. One of the best blue annuals, bearing on upright branching stems terminal spikes of forget-me-not flowers, intense blue with white eye. By cutting back the growth when flowers fade, all-summer bloom may be assured. Seed germinates in 15 days and growth is rapid. Pkt., 15c. For others, see perennial pages.

1057 **BUSH BALSAM** Rose. Pkt., **25c.**

Acroclinium
(Everlasting)

Culture: A, B, D or E, Page 50

The flowers resemble the English daisy, with lovely pastel colors which remain unfading when it is dried for winter bouquets. Blooms in six weeks. Germinates in 15 days.

166 SENSATION DOUBLE GIANT MIXTURE. 20 in. Double or semi-double flowers of white, chamois, flesh pink and bright rose. Pkt., 15c.

166 **ACROCLINIUM** Mixture. Pkt., **15c.**

Bush Balsam

Culture: A, B, D or E, Page 50

Free-flowering strain of bushy growth. Double flowers appear in clusters on the top of stems like double roses, instead of hidden on side of stems. In white, rose and red. 1½ to 2 ft. Seeds germinate in 15 days.

1057 ROSE. 1055 WHITE REFLECTED ROSE.
1053 SCARLET. 1054 WHITE.
Each of above, pkt., 25c; 3 pkts., 65c.
1051 MIXED. ⅛ oz., 50c; pkt., 25c.

Balsam (Lady Slipper)

An old favorite producing short stemmed double flowers at the axils of the leaves. The plants like hot sun, rich soil and plenty of water.

1040 DOUBLE ROSE AND CAMELLIA-FLOWERED MIXED. 1½ to 2 ft. ¼ oz., 25c; pkt., 10c.

Amaranthus

Culture: A, B, D or E, Page 50

275 TRICOLOR (JOSEPH'S COAT). 2½ ft. The inner foliage is of blackest bronze, tipped with green, the outer bright scarlet and gold. Pkt., 10c.

Newest Garden Snapdragons

Culture: A, B, D or E, Page 50

TYPICAL FLORETS OF VAUGHAN'S GIANT RUST-RESISTANT SNAPDRAGONS

341A SWING TIME. 343 CAMPFIRE.
344 CANARY. 346 LOVELINESS.
343B INDIAN SUMMER. 347 RED CROSS.
336 ROSALIE. 342A GOLDEN GLORY.
338 SHASTA. 349 PADRE.

Each of above, pkts., 20c; any 3 for 50c.

Miniature Snapdragons

A delightful new strain forming compact tufts 4 to 6 inches high, covered with miniature flowers. Excellent for rockeries, small beds and edgings

432 **MAGIC CARPET.** Very compact with a good range of colors including pinks, terra cotta shaded apricot and a few purplish shades, with light shades predominating. Excellent for low floral arrangements Pkt., 25c

LARGE FLOWERING DWARF, 1½ Ft.

RUST RESISTANT

322 **MIXED.** Many colors. Pkt., 20c

Rust-Resistant

If you have found Snapdragons difficult to grow, rust is probably responsible. Rust is a widespread disease which discolors the leaves and saps the vitality. Growing the Rust-resistant strain, difficulties disappear. Seeds germinate better, plants are more vigorous, the foliage clean, flowers large and of fine color and the flowering season prolonged. Seeds germinate in 20 days.

SUPER-MAJESTIC TYPE—Semi-tall Giant Flowered. 16 to 20 in. Best for Home Gardens.

324 **HARMONY.** Terra cotta and yellow shaded rose
327 **ORANGE SHADES.** Deep to light orange.
331 **SILVER PINK.** Deep pink, white blotch on lower lip
328 **RED ROCKET.** Bright red.
326A **ROSE SENSATION.** Rose pink.
329 **ROYAL CRIMSON.** Garnet crimson, dark foliage

Each of Super-Majestic type, pkt., 20c; any 3 pkts., for 50c.

332 All Above Super-Majestic Snapdragons Mixed. Pkt., 20c; 3 pkts., 50c.

MAXIMUM GIANT FLOWERED. Spikes 32 in. tall, and blooms 2 to 2½ in. across.

Outstanding as cut flowers, the kind florists grow.

341 **ALASKA.** White.
342 **APPLEBLOSSOM.** Rose pink, white tube.
343 **CAMPFIRE.** Pure luminous scarlet.
344 **CANARY.** Yellow.
343A **COPPER KING.** Burnished copper.
341C **CRIMSON.** Fiery crimson.
344C **DAFFODIL.** Beautiful two-tone yellow.
342A **GOLDEN GLORY.** The deepest yellow.
343B **INDIAN SUMMER.** Coppery orange-scarlet.
346 **LOVELINESS.** Pure soft rose-pink.
346A **PINK SENSATION.** Pure pink.
347 **RED CROSS.** Deep rich crimson, white tube.
341A **SWING TIME.** Loveliest rose-pink, a bright yellow lip and white tube.

Each of the above Maximum Type, pkt., 20c; any 3 pkts., 50c.

348 All Above Maximum Snapdragons Mixed. Pkt., 25c; 3 pkts., 65c.

437 **NARAMEK STRAIN MIXED.** See Novelties. Pkt., 25c

MAJUS GRANDIFLORUM Large Flowering, 2½ ft.

344A **BRILLIANT ROSE.** True rose pink.
317 **CHERRY ROSE.** Outstanding new color, the most brilliant deep cherry rose imaginable. The plants are base-branching with straight stems of long spikes, all with large, well placed flowers. Pkt., 25c
348A **ORANGE SHADES.**
349 **PADRE.** A glistening crimson, rich and beautiful an excellent grower with uniformly compact contrasting foliage. One of the best
345A **REVEILLE.** Luminous golden yellow
336 **ROSALIE.** A rich deep rose with underlying tone of topaz or amber.
337 **SALMON PINK.**
338 **SHASTA.** Pure white
353 **STOPLIGHT.** Vivid danger-signal red, both lips and tube alike
352 **YELLOW JACKET.** A clear deep yellow

Each of above, except noted otherwise, pkt., 20c; any 3 pkts., 50c.

355 **MAJUS GRANDIFLORUM MIXED.** Pkt., 20c

360 **VAUGHAN'S RAINBOW MIXTURE OF RUST PROOF VARIETIES.** They range from delicate salmon pink through silvery pink, old gold, old rose and bronze to dark rose and red tones of the richest depth In beds and borders all these colors will blend harmoniously in a vivid display. Pkt., 25c.

425 VAUGHAN'S SPECIAL MIXTURE OF SNAPDRAGONS. (Antirrhinum). Includes all the Rust Resistant varieties listed, providing a never ending color feast of long stemmed flowers. ¼ oz., 60c; ⅛ oz., 35c. **Pkt., 20c.**

GIANT RUFFLED "TETRA-SNAPS"

430 **SUPERFINE MIXED.** See Novelties. Pkt., 25c.
428 **YELLOW.** See Novelties. Pkt., 25c

431 **VELVET GIANT.** 2½ ft. tall, each plant produces 6 to 12 spikes. Rich, velvety, deep crimson blooms show an undertone of orange-bronze. A top-notch variety for cutting and garden. Pkt., 25c

424 **GIANT FLOWERED SEMI-TALL GOLDENROD.** 2½ ft. Bright golden yellow flowers fill the unusually thick, erect spikes which stand up like rods 25 inch. Pkt., 25c.

405 **MAJESTIC STARTLER.** 18 in. A rich glowing cerise, quite distinct and a strong grower. Comes almost 100% true. Pkt., 25c.

317 **ANTIRRHINUM** Cherry Rose. Pkt., **25c.**

Bird of Paradise

Culture: D, Page 50

1149 **POINCIANA GILLIESI.** 2 ft. Popular name is due to fancied resemblance of the flowers, in profile, to the head of the Bird of Paradise. Blossoms are of rich golden yellow, with long incurving stamens and pistils of crimson. Germinates in 15 days. Seed should be started under glass and plants carefully hardened off before setting in the garden Very susceptible to cold. Pkt., (10 seeds) 15c

Blue Browallia

Culture A, or B, Page 50

Profusely blooming dwarf plant, covered during summer and autumn with winged flowers of intense blue Grows freely in any rich soil, blooms well in the winter if lifted and cut back. Germinates in 20 days

1161 **SAPPHIRE.** 1 ft. Flowers of intense blue, white eye, like large lobelia. Pkt., 25c

903 **ASTER**
Giant Branching

Deep Rose
Pkt. **15c.**

Wilt Resistant Asters

Culture: A, B, D or E, Page 50

Protect Asters with Insecticides Containing D.D.T.

D.D.T. will kill leaf hoppers, which transmit the yellows disease, for which there has hitherto been no reliable treatment. Regular spraying or dusting with this lasting insecticide should protect your asters from infection, which is the chief enemy of these beautiful flowers in sections where the wilt disease is not established in the soil. We recommend Protexall, D. D. T. 5% dust, and D. D. T. 50% wettable dust (see index). Wilt resistant varieties are resistant only to wilt, but in general are more vigorous, and less susceptible to other infections. Aster seeds germinate in 8–10 days.

GIANT BRANCHING 2 TO 3 FT.

The branching habit is accompanied by vigor of growth and profusion of bloom. The flowers are large, very double, stems long and colors vivid.

905 AZURE BLUE, dark lavender
903 DEEP ROSE. **904 CRIMSON.** **902 SHELL PINK.**
906 PURPLE. **901 WHITE.** **908 SENSATION (Scarlet)**
Each of above, pkt., 15c; any 3 pkts., 40c.
898 MIXED. ⅛ oz., 35c; pkt., 15c

GIANT CREGO—OSTRICH FEATHER—24 INCHES

The flowers are immense on long stems. The petals are curled and twisted, plants branching. Flowers in abundance from late August until frost.

559 AZURE BLUE. **561 CRIMSON.** **565 PINK.**
560 BLUE FLAME, navy blue. **563 DEEP ROSE.** **566 PURPLE.**
564 LAVENDER. **568 VIOLET.**
560A CATTLEYA, fascinating shade of orchid **569 WHITE.**
Each of above, Pkt., 15c; any 3 pkts., 40c.
575 MIXED. ⅛ oz., 35c; pkt., 15c

QUEEN OF THE MARKET (EARLY FLOWERING) 2 FT.

The favorite early Aster, usually in full bloom two weeks before most others begin to blossom. Of graceful spreading habit.

928 MIXED. ⅛ oz., 35c; pkt., 15c
850 BALLET TYPE MIXED. See Novelties. Pkt., 25c.

FINEST GIANT SORTS MIXED

628 A MIXTURE OF ALL GIANT VARIETIES. It became very popular with our customers in our store before we catalogued it. Since we have included it in our list, it has become one of our best sellers. Pkt., 25c.

EARLY BEAUTY 2 TO 3 FT.

Branching habit. Flowers large, borne on long stout stems. Bloom at same time with Crego and Giant Branching.

534 MIXED. ⅛ oz., 35c; pkt., 15c.

EARLY GIANT 1½ TO 2 FT.

The flowers are fully double with broad, graceful petals, daintily plumed and intertwined, 4 to 5 inches across. There are practically no laterals or side branches. Four to six weeks earlier than California Giants.

541 LIGHT BLUE. A big lacy flower. **542 PEACHBLOSSOM.** White flushed pink.
543 ROSE MARIE. Rich, lively shade of rose.
Each of above, Pkt., 25c; any 3 pkts. for 65c.
544 MIXED. All three colors. ⅛ oz., 50c; pkt., 25c

ROYAL EARLY-FLOWERING BRANCHING 2 FT.

This type fills a gap between the Queen of the Market and the Late Flowering Branching Asters.

930 C MIXED. ⅛ oz., 35c; pkt., 15c.

VAUGHAN'S SPECIAL WILT RESISTANT

915 MIXED. A specially prepared mixture containing in balanced proportion all the wilt resistant varieties we offer. An outstanding value for the cutting garden, or mixed bed or border. ⅛ oz., 40c; pkt., 15c.

SPECIAL OFFER No. 18
One Packet Each, 3 Varieties for 45c.
541 ASTER Early Giant Light Blue, 25c. **569 ASTER** Giant Crego White, 15c. **903 ASTER** Giant Branching Deep Rose, 15c.

ASTER Vaughan's Wilt Resistant.

Collection of Varieties Illustrated Above

640 One packet each of six varieties illustrated above and listed below, prepaid for 75c.
Giant Crego—(1) 569 White, (2) 564 Lavender, (3) 565 Pink.
Giant Branching—(4) 906 Purple, (5) 905 Azure Blue, (6) 903 Deep Rose.
Each per pkt., 15c and any 3 pkts., for 40c.

Single Asters

949 ASTER RAINBOW MIXTURE. 24 inches. A new strain of single asters producing large flowers of all the colors of the rainbow, except yellow, including many tones of blue and violet, rose and crimson, but without flesh pinks or white. Pkt., 25.

OTHER VARIETIES

937A GIANT MAMMOTH PEONY-FLOWERED SILVERY ROSE 2½ TO 3 FT. Immense, fully double flowers resembling the Beauty type, borne on long, stout, non-lateral stems. An attractive variety with its rich rose-silver tipped flowers. Pkt., 25c.

HEART OF FRANCE

929 18–24 in. Opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals show a soft warm velvety texture. ⅛ oz., 45c; pkt., 15c.

943 **ASTER** Super Giant, El Monte Pkt., **20c.**

Giant Non-Resistant

SUPER-GIANTS, LARGEST OF ALL

Largest and most fully double Asters, with flowers from 6 to 8 inches across, plants 2½ ft. tall, with six to eight long stems. Early flowering.

943 EL MONTE. Like Los Angeles in size, and form, but of a deep glowing crimson. Blooms early and remains in flower for a long season, ⅛ oz., 50c; pkt., 20c

942 LOS ANGELES. Pure shell pink, with huge flowers, but of charming form, with curling, interlaced petals, giving a feathery effect. ⅛ oz., 50c; pkt., 25c

CALIFORNIA GIANTS 3 FT.

California Giants combine the fluffy or feathered type of flower with the long straight stems of the Beauty class. The large, double flowers with long, attractively curled petals, grow 5 in. and more in diameter, on stems 1½ to 2 ft. long.

607 LOVELINESS. Rich pink touched with salmon. Pkt., 25c

610 MIXED. ⅛ oz., 40c; pkt., 15c

KING OR NEEDLE TYPE ASTERS

The petals are quilled, and curve inward toward the center, completely covering the crown. Colors are clear and brilliant, and flowers large and globular. They should be given an early start under protection, for August flowers. Plants grow two feet tall.

670 CRIMSON, a deep red. **671 ROSE,** deep rose pink.

675 SALMON (NEW). Clear salmon, holds color in the strongest sunlight. Very attractive under artificial light. Pkt., 15c.

672 SHELL PINK, delicate tint

673 VIOLET, Dark blue purple.

Each of the above, Pkt., 15c.

887 CALIFORNIA GIANT SUNSHINE, FINEST MIXED. ⅛ oz., 50c; pkt., 25c. See Novelty pages

IMBRICATED POMPON 1 FT.

592 MIXED. Flowers very freely produced, often as many as 20 on a dwarf, bushy plant. Blooms very early. The small round pompon blossoms have an outside row of short guard petals Pkt., 25c

1131 **BELLIS.** Monstrosa Double Mixed. **15c.**

Sweet Alyssum,

IDEAL EDGING PLANT

For ribbon planting, or edging beds and borders, the white and violet alyssums are ideal. Fragrant, dwarf bushy, everblooming, and easy to grow from seed sown direct, they never fail to delight.

Culture: A, B, D or E, Page 50

Seed germinates in 5–10 days.

255 VAUGHAN'S LITTLE GEM (White Carpet). 4 in The plants are so completely covered with a froth of tiny snow-white blossoms they create the impression of a beautiful white carpet. Sweet Alyssum puts a lace frill to any garden and enhances the colors of every flower. 1 oz., $1.40; ½ oz., 75c; ¼ oz 40c; pkt., 10c.

250 MARITIMUM (Sweet Alyssum). 10 in. Flowers white and honey-scented, produced from early in the season, until freezing. Not recommended for edging, but for fragrance and mass effect. Mix the seed with sand to prevent sowing too thickly. 1 oz., 60c; ½ oz., 35c; pkt., 10c.

259 VIOLET QUEEN. A beautiful, fragrant sweet Alyssum, of bright clear violet hue, holding its colors through the hottest, driest summer. Can be sheared like white Alyssum and grows luxuriantly, covered with bloom from early summer to freezing. It flowers in 45 days from seed in the open. ⅛ oz., 35c; ¼ oz 60c; ½ oz., $1.10; 1 oz., $2.00; pkt., 15c.

See also Perennial Pages.

259 **ALYSSUM** Violet Queen. Pkt., **15c.**

1138 **BELL OF IRELAND.** Pkt., **25c.**

English Daisy

BELLIS PERENNIS (6 to 8 inches)

Culture: C, Page 50

Double Giant Daisies which are hardy perennials but bloom quickly from seed. Remarkable effects are obtained when associated with Pansies or Forget-Me-Nots in beds or borders. Seed germinates in 5–10 days.

1131 MONSTROSA MIXED. Pkt., 15c.

255 Ribbon Planting of **Vaughan's ALYSSUM Little Gem.** Pkt., **10c.**

Arctotis (African-Daisy)

Culture: A, B, D or E, Page 50

For Dry Sandy Soils. Seed germinates in 20 days.

450 GRANDIS (Blue-Eyed African-Daisy). 3 ft. It forms bushes bearing 2 inch daisy flowers of pearly white with a gold band surrounding a delicate mauve center. It closes at evening and displays its lilac tinted undersides. Foliage gray green. Especially good cut flower. Pkt., 10c.

451 NEW HYBRIDS. 8–12 inches. A new race resembling the famous Gerberas, but much easier to grow in the garden. Flower 2½ to 3 inches; likes a dry, sunny location. Excellent as a border plant and fine for cutting Pkt., 25c.

451 **ARCTOTIS,** New Hybrids. Pkt., **25c.**

BEGONIA —See Page 48

Irish Green Bellflower

Culture: A, B, D, or E, Page 50

1138 BELL OF IRELAND. Graceful 2-foot branching stems are so surrounded by 2-inch flowers there is little room for leaves. The bell shaped calyx of the flower is green and delicately veined, containing the white corolla. Both curious and beautiful. Pkt., 25c

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1305 ANNUAL CANTERBURY BELLS, Mixed. Annual varieties of this splendid flower family bloom in about six months from seed, growing to 2½ ft., and bearing six to eight spikes of bloom. A splendid late summer border flower Pkt., 10c

1287 **CANDYTUFT** Umbellata Mixed, **10c.**

Candytuft (Iberis)

Culture: A, B, D or E, Page 50

Successive plantings give flowers all summer. Seed germinates in 5–10 days. May be sown late in Fall in Tulip beds for summer flowering.

1260 GIANT HYACINTH-FLOWERED WHITE. 1 ft. Large, bold spikes of snowy white flowers. Plant sturdy and compact. ¼ oz., 40c; pkt., 10c.

1287 UMBELLATA MIXED. 1 ft. Flowers in umbrella form. ¼ oz., 30c; pkt., 10c.

1290 DWARF HYBRIDS MIXED. 6 in. Compact plants covered with large flowers, rose, salmon, coral-pink to lilac and purple-crimson. ¼ oz. 25c; pkt., 10c.

1289 LITTLE PRINCE. 6 in. Immense spikes of snow-white flowers, borne in great profusion on dwarf sturdy plants. Pkt., 10c.

Balsam

Apple and Pear

Culture: A or B, Page 50

1008 MIXED. 10 ft. Ornamental and quick-growing climber. Excellent in covering unsightly places. Flowers are followed by ornamental fruits. Seeds germinate in 20 days. Pkt., 10c.

Cacalia (Tassel Flower)

Culture: A only, Page 50

This "perky" little annual blooms in a few weeks from seed. The flowers of scarlet or gold on branching stems look exactly as the name indicates, fluffy tassels, less than half an inch in diameter, blooms until heavy frost. Try these in a copper bowl with the Castor Bean (Ricinus) seed pods and leaves for a lovely effect. Seeds germinate in 15 days.

1170 MIXED. 2 ft. Scarlet and yellow. Pkt., 10c.

Grow Cacti from Seed

Culture C, D or E, Page 50

Growing Cacti from seed is easy and interesting, each miniature plant being perfect. The seeds germinate irregularly over a period of 14 to 40 days.

1251 CACTI. All kinds and forms mixed.

Pkt. (50 seeds), 25c; 5 pkts. for $1.00

Canna

Cannas can be successfully grown from seed if planted early in hot-bed or greenhouse. Pour boiling water over the seeds; take them out after 24 hours and sow at once in sand, germination takes 15 days. Give some bottom heat and cover ¼ to ½ inch. The seed germinates irregularly in two to four weeks.

1311 NEW VARIETIES, MIXED. 2½ ft. Seeds from the collection of a French specialist who has given much attention to this plant. Pkt., 25c.

Cypress Vine

Culture: A, B, D, or E, Page 50

A graceful, twining annual climber with fernlike foliage and star shaped blossoms. Sow when ground is warm, first soaking seeds in warm water, germination takes 5–10 days.

2039 SCARLET. Pkt., 10c.

2040 MIXED. Scarlet and white. Pkt., 10c.

Giant Calendulas

1206 CALENDULA Vaughan's Special Mixture. Besides listed varieties, this mixture includes many others, giving a delightful collection for cut flower use or exhibition. ¼ oz., 50c; pkt., 15c.

1207 TRIAL GROUND MIXTURE. Saved from the trial grounds of one of our growers. The color balance leans toward pastel and the form is somewhat that of the popular Chrysantha, with blooms the size of the largest varieties. This blend has proved to be heat resistant and blooms over a longer season than the ordinary varieties. Pkt., 25c.

4574 ANNUALS ROCK GARDEN VAUGHAN'S SPECIAL MIXTURE. A carefully prepared mixture of low growing, many colored, free flowering annuals, which will supply color in your rock garden all summer. ¼ oz., 50c; pkt., 25c.

1200 **CALENDULA** Campfire (Sensation). Pkt., **15c.**

Culture A, B, D or E, Page 50

Calendula is one of the best annuals for the garden or greenhouse. Vast improvements in size, shape and color have been made. Keep the flowers cut for continuous blooming. During warm weather some flowers may be singled out but all return to full doubles when the weather turns cool. Make a late sowing in early July for flowers in cool weather; they stand heavy frosts, and are last to die. Seeds germinate in 12 days.

1208 APRICOT BEAUTY. See Novelties. Pkt., 25c.

1212 BEAUTY MIXED. See Novelties. Pkt., 25c.

1200 CAMPFIRE (Sensation). Flowers 4 inches across, completely double, are of a deep orange. It grows vigorously with exceptionally strong, heavy stems. Selected stock. ⅛ oz., 50c; pkt., 15c.

1210 CREAM BEAUTY. See Novelties. Pkt., 25c.

1209 GOLDEN GIANT. See Novelties. Pkt., 25c.

1211 LEMON BEAUTY. See Novelties. Pkt., 25c.

1202 PASTEL BEDDING MIXTURE. A balanced selection of dwarf varieties, in light apricot, salmon, orange, lemon and cream. Pkt., 10c.

1146 **BRACHYCOME** Mixed. Pkt., **10c.**

Swan River Daisy

(Brachycome)

Culture A, B, D or E, Page 50

A free-flowering, dwarf-growing annual covered during the greater part of the summer with a profusion of dainty flowers which resemble small Cinerarias, suitable for edgings, small beds or pot culture. Seed germinates in 8–12 days.

1146 MIXED. 12 in. All colors. ⅛ oz., 25c; pkt., 10c.

Gay Calliopsis Clan

Culture: A, Page 50

The annual Coreopsis, its flowers are similar in form, but many are marked with bands or centers of contrasting tones. Colors include variations of yellow and orange including brown, maroon and almost crimson. Seeds germinate in 10–20 days.

1235 DWARF VARIETIES MIXED. 1 ft. Valuable for small mixed beds and borders. Pkt., 10c.

1221 TALL ALL-DOUBLE MIXED. 3 ft. The best strain of double flowering Calliopsis. Flowers are semi-double and double, 1 to 1½ inches across. Our mixture contains all colors. Pkt., 15c.

1245 VAUGHAN'S SPECIAL MIXTURE. It contains all the desirable types and colors of these beautiful flowers. A great number of kinds have been especially selected for it. ¼ oz., 30c; pkt., 10c.

Canary Bird Vine

1250 A dainty vine 15 to 20 feet, with beautiful cut leaves and delicate flowers of a clear canary-yellow. From fancied resemblance to a bird the plant obtained its name. Does well in shade. Pkt., 25c.

1390 **CARNATION** Vaughan's Special Mixture (100 Seeds), **25c.**

Garden Carnations

Culture: A or B, D or E, Page 59

Who doesn't love the spicy odor of the Carnation? Its beautiful blossoms may be grown from seed if sown inside and transplanted outside by the end of May. Seed germinates in 12 days. Plants lifted in fall and cut back will bloom again indoors.

1390 CARNATION Vaughan's Special Mixture This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. Pkt. (100 seeds). 25c

GIANT ENFANT DE NICE CARNATIONS. They are of compact growth with extremely stiff stems bearing flowers 2¼ to 2¾ inches without disbudding. The colors come about 75% true from seeds and give about 90% double flowers

1329 MIXED. A well-balanced blend including white, salmon, rose and red. Pkt., (100 seeds), 35c

IMPROVED EARLY FLOWERING PERPETUAL. Plants bloom in five months and continue all summer. The flowers are very double, clove scented of large size, on stiff stems 15 to 18 inches high. Our strain will produce 90% double flowers and true color.

1343 MIXED ALL COLORS. Pkt., 25c.

1345 EARLY AND PERPETUAL FLOWERING SUPER GIANT MIXED. The largest flowered clove scented strain for garden use. Produces excellent cut flowers under cold frame forcing. Pkt., 25c.

1350 GIANT MARGARET MIXED. Flowers measuring 3 in. or more; colors include white, pink, crimson and striped. Upright growth. Pkt., 15c.

1351 J. M. BRIDGEFORD. (Malmaison.) 1¼ ft. From seed sown indoors (or outdoors) bears in 90 days on long stems, lovely fully double Carnations, 3 to 4 inches across of all Carnation colors, most fragrant of all. Flowers throughout the summer. Pkt., 50c.

See Perennials.

Cuphea

Firecracker Plant

Culture: A or B, Page 50

Seeds germinate in 20–30 days. Excellent greenhouse subject

1998A AVALON HYBRIDS. Compact plants seeming to be covered with fluttering, bright-hued butterflies. In lavender, lilac, pure pink, rose-purple, crimson, fire-scarlet and vermilion. Pkt., 25c

1999 FIREFLY. 10 inches. A colorful border or edging plant, dwarf, compact, neat in habit, and showy. Small, delicate butterfly-like flowers of fiery red are freely produced. Flowers in 12 to 14 weeks from seed and blooms continuously. Pkt., 25c

Popular Bachelor Buttons

Culture: A, B, D or E, Page 50

CENTAUREA CYANUS SUPER DOUBLE

A perfected strain of this popular hardy annual, which every one can grow in any garden soil. They have larger flowers, more double, with more vivid coloring and long, wiry stems, making fine cut flowers. If the faded flowers are kept cut, the plants will blossom continuously throughout the summer. Seeds germinate in 8 days.

1505 BLACK BOY. Blackish maroon

1506 BLUE BOY. The true cornflower blue

1507 PINKIE. Lovely true pink.

1508 RED BOY. Deep glowing red

1509 SNOWMAN. Pure white.

Each of above, ¼ oz., 30c; pkt., 15c; any 2 pkts. for 25c.

1522 VAUGHAN'S SPECIAL SUPER DOUBLE MIXED. ¼ oz. 25c; ½ oz., 40c; pkt., 15c

1504 CENTAUREA JUBILEE GEM. A dwarf variety, making a compact plant covered with double dark blue flowers. Foliage forms a tufted mass of bright green. 12 in. Pkt., 15c.

1503 POLAR BEAR. 18 in. Dwarf variety making a compact plant covered with pure white double flowers, foliage forms a tufted mass of bright green. A companion to Jubilee Gem. Pkt., 20c

1500 JUBILEE MIXED. See Novelties. Pkt., 25c.

1522 **CENTAUREA** Cyanus Vaughan's Special Super Double Mixed. Pkt., **15c**

Cardinal Climber

Culture: A or B, D or E, Page 50

1320 This is a very attractive, strong and rapid grower, attaining a height of 25 feet, with beautiful fern-like laciniated foliage. It bears fiery cardinal-red flowers from mid-summer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all Ipomoeas it delights in a warm, sunny situation and rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May 1st. Germination takes 5–10 days. The vines are a favorite playground of humming birds. Pkt., 10c; 3 pkts for 25c.

ANNUALS FOR FRAGRANCE

Alyssum	**Heliotrope**	**Petunia**
Candytuft	**Lantana**	**Scabiosa**
Carnation	**Matthiola**	**Stocks**
Centaurea Imperialis	**Mignonette**	**Sweet Peas**
	Nasturtium	**Wallflower**
Dianthus	**Nicotiana**	

2118 FRAGRANT ANNUALS MIXED. A mixture of the above varieties. Pkt., 25c

4746 ANNUALS FOR SHADE MIXED. Pkt., 25c

Giant Sweet Sultans

Culture: A, B, D or E, Page 50

The beautiful, decorative flowers are borne on long, strong stems; when cut and put in water will last for several days in good condition. They have a soft fragrance and add beauty to the garden picture. Seeds germinate in 8 days.

1570 CENTAUREA IMPERIALIS, MIXED. 2½ ft. ¼ oz., 25c; pkt., 10c.

Double Clarkia

Culture: A, B, D or E, Page 50

The lovely Clarkias are effective in the garden or as cut flowers in the home. Great spikes of double and semi-double flowers in the daintiest colors are produced from the poorest soil. Plant in shade. If the roots are confined by growing in small pots, they will bloom earlier. Seeds germinate in 8 days

1790 VAUGHAN'S SPECIAL MIXTURE. Made up especially from named varieties ⅛ oz., 25c, pkt., 10c.

1790 **CLARKIA** Vaughan's Special Mixture. Pkt., **10c.**

Chinese Forget-Me-Not

Culture A, B, D or E, Page 50

On upright branching stems, terminal spikes of blue flowers are borne throughout the summer. One of the finest sources of blue masses in beds or borders. Seeds germinate in 8 days

2015 CYNOGLOSSUM AMABILE, BLUE BIRD. 18-24 in. Produces long sprays of sky-blue Forget-Me-Not like flowers. Grows easily and blooms for a long season. A most delightful addition to our list of blue flowers. ⅛ oz., 25c; pkt., 10c

2017 AMABILE PINK. Bright Pink. Pkt., 15c.

2020 FIRMAMENT. 12 in. It is dwarf, free-blooming over a long season; flowers a bright indigo blue. It is recommended for growing in dry, even poor soil. Pkt., 15c.

Coleus

Culture D or E, Page 50

Decorative plants with foliage of brilliant varied colors, many having fantastic markings. Plant in full sun for complete development of color. Pinch out the growing points to make well branched plants. Make good house plants. Seeds germinate in 10 days

1855 VAUGHAN'S RAINBOW MIXTURE. 1–2 ft. The handsomest foliage plant obtained from seed. The leaves are very large and their color combinations are remarkably rich. Pkt., 35c

1864 GLORY. 1–2 ft. A mixture of bronze, pink, apricot, cream, etc. A remarkably fine strain, unequaled for the beautiful form and coloring of its large leaves. Pkt., 50c

1857 LARGE LEAVED MIXED. Pkt., 35c.

Ornamental Cotton

1997 Sown indoors, and transplanted after danger of frost is over, cotton plants develop quickly into low bushes of definite ornamental value, with lovely pink buds followed by creamy blossoms. The white bolls make winter bouquet, and teach the children a valuable lesson. Sorry, cannot be sent to California on account of quarantine regulation. Pkt., 25c

Celosia

(Cockscomb)

Culture: A, B, D or E, Page 50

THE popular name is derived from the resemblance of the flower heads of the crested type to a cocks comb though in texture they are like plush or chenille. Easily dried for winter use. Seeds germinate in 20 days

CRESTED DWARF SORTS 8 TO 10 IN.

1410 PRESIDENT THIERS. Fine dwarf habit with bronzy foliage and large, velvety crimson combs.

1415 EMPRESS. Blood-red combs and brown foliage.

1430 DWARF MIXED.

Each of above, pkt., 15c.

CRESTED TALL SORTS

1436 GILBERT'S MAPLE GOLD. 3 ft. The heads are almost globular, and the dominant color is a golden maple, varying toward rose pink. The plants bear eight to twelve heads, increased if the center stem is pinched back. Do not feed. Pkt., 25c

1437 GILBERT'S ROSE BEAUTY. 2 ft. The color is a uniform bright rose pink on a silver base and should run 90% or better true to type. Makes an excellent cut-flower. Dries perfectly for winter bouquets. Pkt., 25c

1439 GILBERT'S HARLEQUIN. 2 ft. Uniform bush type, pinkish gold turning to a salmon, then to a bright shell-pink. Excellent as a cut-flower at any stage. Perfect plant for bedding purposes. Pkt., 25c

1472 ROYAL VELVET. 2 ft. Produces numerous long-stemmed plumy heads of richest crimson, on main stem and basal branches. Foliage bronzy green with reddish margins. Pkt., 25c

1432 CRIMSON. Pkt., 15c

1435 TALL MIXED. Pkt., 10c

1434 GILBERT'S MAPLE GOLD AND ROSE BEAUTY MIXED. 2 ft. A pleasing blend of two famous Gilbert varieties. Pkt., 25c

OSTRICH PLUME SORTS

They generally form pyramidal bushes, and the numerous massive plumes which resemble ostrich feathers wave gracefully above the foliage. 2 to 3 ft

1450 MIXED. Pkt., 10c

1475 DWARF OSTRICH PLUME VARIETIES MIXED. 15 in. Good for pots and beds. Pkt., 25c

1460 PRIDE OF CASTLE GOULD. Compact pyramidal plants produce immense flower heads, resembling plumes in many colors. Pkt., 25c

OTHER CELOSIAS

1465 CHINESE WOOLFLOWER, CRIMSON. Grows 2 to 3 feet high with many branches terminating in a flower head resembling a ball of scarlet wool

1466 CHINESE WOOLFLOWER DEEP ROSE.

1467 CHINESE WOOLFLOWER YELLOW.

1468 CHINESE WOOLFLOWER MIXED.

Each of above Chinese Woolflower, per pkt., 15c.

Planted my Cynoglossum Firmament in open garden rows in June and by August there was a profusion of beautiful dainty blue blossoms. Plants continued to bloom through August and September. Very desirable for mass planting where a patch of brilliant blue is desired.

F. J., Waterford, Michigan

Cobaea

(Cathedral Bells)

Culture: A, B, D or E, Page 50

1820 SCANDENS. One of the handsomest rapid growing climbers. The bell-shaped flowers turn lilac. Seed should be sown edgewise. They germinate in 15 days. Very vigorous and prolific bloomer. Pkt., 10c

1696 **CHRYSANTHEMUM** Vaughan's Rainbow Mixed. Pkt., **25c.**

Chrysanthemums

Annual Single Flowering 20 in.

Culture: A, D or E, Page 50

Of the easiest culture; flower profusely during late summer and fall. They are showy in the garden and fine for cutting. Prefer heavy soil. All types should be pinched back to encourage branching. Seeds germinate in 8 days

1696 VAUGHAN'S RAINBOW MIXTURE. This wonderful new strain of Carinatum Hybrids includes purple, scarlet, orange, salmon rose, yellow, white, all beautifully zoned. Pkt., 25c

1655 VAUGHAN'S SPECIAL SINGLE MIXED. Showy flowers of bright colors. Pkt., 10c

DOUBLE FLOWERING VARIETIES 2 FT.

1695 VAUGHAN'S SPECIAL MIXTURE OF DOUBLE CHRYSANTHEMUMS. Pkt., 10c

1700 VAUGHAN'S SPECIAL MIXTURE. SINGLE AND DOUBLE SORTS IN FINEST MIXTURE. Including many varieties not catalogued. Pkt., 10c.

Korean Mums

Culture: A, B, D or E, Page 50

1621 KOREAN HYBRIDS. These large, single flowers of many lovely colors can be flowered from seed the first year. The hardy Korean species is crossed with garden varieties. Seeds germinate in 15 days. Pkt., 50c

1804 CLEOME HELEN CAMPBELL. See Novelties

Daisy Corner

2050 VAUGHAN'S MIXTURE OF ANNUAL DAISIES. These simple flowers have a charm of their own. We have a mixture of the most popular sorts. They will add a definite touch to your garden besides good cutting material for the home. Pkt., 25c

Cosmos from July to Frost

Culture: A, B, D or E, Page 50

Plants of graceful beauty, fine feathery foliage and large flowers. While the early varieties begin blooming in July, the Cosmos reaches the height of its beauty in the autumn. The new giant early varieties are wonderful cut flowers, holding in good condition for 10 days after cutting. We list only the early flowering varieties, as the late varieties are so apt to be taken by early frosts. If the faded flowers of the early varieties are kept cut, they will provide a succession of bloom from July until killing frosts. Seeds germinate in 8 days

1966 **COSMOS** Sensation Special Mixed. Pkt., **25c.**

SENSATION, GIANT EARLY STRAIN

Early flowering, blooming in about 12 weeks from sowing. The flowers are very large, 4 to 5 inches across, with heavy fluted petals. Height about 4 feet. By disbudding, enormous flowers can be obtained

1964 DAZZLER. Very rich, deep crimson

1968 PINK. A delightful rose-pink selection

1967 PURITY. A white with satin sheen

1969 RADIANCE. Deep rose with rich crimson zone

1966 SENSATION SPECIAL MIXED.

Each of the above, pkt., 25c; 3 pkts. for 65c

1950 EARLY FLOWERING MAMMOTH MIXED. 3 ft. All colors. ¼ oz., 20c; pkt., 10c.

DOUBLE EARLY FLOWERING 3 FT.

Forms a perfect bush, massed with bloom, bearing beautiful flowers of good size, on long stems, about 65 per cent coming double

1990 PINK. **1991 WHITE.** **1992 CRIMSON.**

Each of the above, pkt., 25c; 3 pkts. for 65c.

1994 DOUBLE MIXED. Above 3 colors. ⅛ oz., 40c; pkt., 25c.

1982 ORANGE RUFFLES, SEMI-DOUBLE. Vivid golden orange, the two or three extra rows of petals lend an airy butterfly-like beauty to the richly colored blossoms. Extremely free blooming, flower 10 days to 2 weeks before Orange Flare and remain in flower six weeks. Pkt., 25c

1990 **COSMOS** Double Early Flowering Pink. Pkt., **25c.**

1979 ORANGE FLARE. 3 ft. Well-branched plants bearing showy golden orange, flowers in about 3 months from seed, blooming with increasing freedom until killing frost. Sow outdoors when soil is warm, or indoors with bottom heat of 70 degrees. Seed germinates in 8 days. Give full sun. Does not need staking. Pkt., 15c.

1980 YELLOW FLARE. 3 ft. Bright clear yellow. The single flowers are about 2½ in. across, produced in abundance. Delightful when used in flower arrangements. Pkt., 25c.

1870 **COLLINSIA** Mixed. Pkt., **10c.**

Quaint Collinsias

Like a Pagoda. 18 in.

Culture: A or B, Page 50

1870 COLLINSIA BI-COLOR VIOLET AND WHITE. Also known as "Chinese Houses" because the tiers of whorled deeply-lipped flowers suggest Chinese pagodas. Grows in common soil, blooms freely from June to October. Good cut flower material, also fine for bedding and edging. Seeds germinate in 10 days. Pkt., 10c

African Daisy

Culture: A, B, D or E, Page 50

Showy annuals from South Africa, bearing gorgeous, Daisy-like blooms during summer and fall. Easy culture in well-drained soil, sunny exposure. Seeds germinate in 15 days

2318 GLISTENING WHITE. 6 to 8 in. The petals of the daisy-like flowers 4 inches in diameter, glisten like white enamel. They are borne freely on low, spreading plants, like hot sun and dry weather, and flower long after frost. Pkt., 25c.

2320 GOLD DAISY. 1 ft. A rich orange gold, which is rendered more conspicuous by dark center disc. Pkt., 25c.

2325 HYBRIDS. 1 ft. They vary in color from pure white to red and blush including sulphur, lemon and bright golden yellow, light orange, reddish yellow and pale salmon-rose. Pkt., 10c.

Blue Gilia

Culture: A, B, D or B, Page 50

Seed germinates in 20 days

2532 CAPITATA (Blue Thimble Flower). 2 ft. Bushy plant of erect habit with fine feathery foliage covered all summer with rich sky-blue flowers, 1 inch across. Makes a good cut flower. May also be dried and used as everlasting. ¼ oz., 25c. Pkt., 10c.

Euphorbia (Snow-on-the-Mountain)

Culture: A, B, D or E, Page 50

Seed germinates in 20 days

2435 VARIEGATA (Snow on the Mountain or Mountain Spurge). 2 ft. Remarkably distinct plant; very showy with its foliage edged white and green. ¼ oz., 25c; pkt. 10c

Everlastings

2440 MIXED. A formula blend of varieties which can be dried for bouquet work, including Statice, Gomphrena, Xeranthemum, Acroclinium, Salvia Blue Bedder and others. Pkt., 15c.

Datura

(Angel's Trumpet)

Culture: A, B, D or E, Page 50

Handsome subtropical plants, bearing large trumpet-shaped fragrant flowers. Seed must be planted indoors early to bloom in September. They should be given a light soil and sun

2110 DOUBLE WHITE. Pkt., 10c

2115 DOUBLE MIXED. Pkt., 10c.

2112 IVORY KING. See Novelties. Pkt., 35c.

Gomphrena

(Globe Amaranth)

Culture: A, B, D or E, Page 50. 18 in.

A showy annual everlasting with clover-like heads. Seeds germinate in 12 days

2510 RUBRA, RED. Pkt., 10c. **2525 MIXED.** Pkt., 10c.

Grow Dahlias from Seed

2086 UNWIN'S DWARF HYBRIDS. This remarkable strain produces branching plants 2 to 3 feet tall bearing semi-double flowers 3 inches in diameter, of lovely soft pink, lavender, crimson, apricot, buff, orange, canary, cream and white yellow. They are as easily grown from seed as zinnias, and blossom in sixty days from seed sown in the garden row. Sow after the ground warms up and danger of frost is over, and give each plant at least one foot in the row. They give a striking effect in the border and are unsurpassed as cut flowers. They flower until frost kills the plants and produce tubers which can be saved. Pinched back, they make fine pot plants. ¼ oz., $1.00; ⅛ oz., 60c, pkt **25c**

Culture: D or E, A or B, Page 50

It is easy, fascinating, to grow Dahlias from seed. If the seed is started early, plants will bloom the same season. Sow in a shallow box or pan in March or early April, and keep the soil moderately moist. When all danger from frost is over, plant in the garden. Seed germinates in 8–10 days

2087 UNWIN'S IDEAL BEDDING MIXED. 2 ft. The flower petals are nearly all twisted. Double and semi-double in many charming colors, excellent for cutting. Pkt., 25c

SINGLE FLOWERING

2056 COLTNESS HYBRIDS. 18 in. Habit neat and compact, blooms from July until frost. The flowers have either flat or slightly fluted petals, nearly all 3 in. in diameter. Pkt., 25c.

2065 GIANT PERFECTION MIXED. 4 ft. The plants are of strong, robust habit, and produce in great abundance flowers of immense size, of the most bewildering variety of color. Pkt., 10c

DOUBLE DAHLIAS

2080 DOUBLE BEST MIXED. 3 ft. Saved from show and fancy sorts. Pkt., 25c

2089 DOUBLE LILLIPUT POMPON MIXED. 3 ft. Small, round double flowers, in a mixture of beautiful colors, strong stems, good cut flower. Pkt., 25c

California Poppy

Escholtzia

Culture: A, B, D or E, Page 50

Plants of low spreading growth with finely cut silvery foliage bear gaily colored Poppy-like flowers with satiny petals. Do well in any well drained, loose soil and sunny position. Bloom early and continue until frost. Seed germinates in 8 days.

DWARF ERECT VARIETIES 1 FT. (CALIFORNICA).

2414 RAMONA HYBRIDS, FINEST MIXED. The flowers are beautifully frilled and fluted, the petals form a flower which appears double. Pkt., 10c

2415 VAUGHAN'S SPECIAL MIXTURE. This mixture includes all the varieties here catalogued and is the most complete mixture of these charming annuals in existence. ¼ oz., 40c; Pkt., 15c

2385 GOLDEN WEST. Bright yellow orange center Pkt., 10c

2415 **ESCHOLTZIA** Vaughan's Special Mixture. Pkt., **15c.**

2086 **DAHLIA UNWIN'S DWARF HYBRIDS.** Pkt., **25c.**

2476 **GAILLARDIA** Giant Double Sunshine Pkt., **25c.**

Gaillardia

Culture: A, B, D or E, Page 50

One of the most profuse bloomers of the flower garden Gaillardias grow best in full sunlight. The double varieties are among finest of annuals for cut flowers and give excellent border display. Seeds germinate in 20 days

2475 LORENZIANA DOUBLE MIXED. 18 in. ¼ oz., 25c; pkt., 10c

2476 VAUGHANS' GIANT DOUBLE SUNSHINE. 18 in. A scintillating new color mixture. Huge fluffy "ball like" double blooms, in a spritely array of new colors Chrome yellow to creamy white, burnished mahogany to burgundy wine—vivacious bicolor tippings of white, red, and yellow. The brightest Gaillardia mixture ever offered. Bushy plants with long stems make it a color bright-up wherever used. Continuous in its flowering throughout the summer. ¼ oz., 60c, pkt., 25c

2471 PICTA INDIAN CHIEF. 1 ft. Attractive single flowers of deep coppery scarlet, accentuated by a dark brown center. Dense bushy plants Pkt., 10c.

2470 —SINGLE MIXED. Pkt., 10c

See also Perennial Pages.

Godetia

(Satin Flower)

Culture: A, B, D or E, Page 50

Attractive, bushy plants with masses of large, colorful blooms during the summer and fall. Thrive best in a cool, moist soil and half-shady situation. Seeds germinate in 15 days

Upright Growth, Double Flower 2 ft.

2591 GLADIOLUS FLOWERED, MIXED. Different from others, producing flower spikes much like a Gladiolus, which are closely set by double flowers in bright attractive colors Pkt., 10c

Gypsophila

Culture: A, Page 50

Graceful plants of light fairy-like growth. The misty bloom adds interest to flower arrangements. Seed germinates in 10 days

2681 ELEGANS GRANDIFLORA ALBA SPECIAL SELECTION. 18 in. This is extremely free blooming, and petals considerably broader, making the flowers nice and round. Oz., 60c; ½ oz., 40c; ¼ oz., 25c; pkt., 15c

2682 ELEGANS VIVID ROSE. 18 in. Pkt., 10c

2683 —CRIMSON. Pkt., 10c.

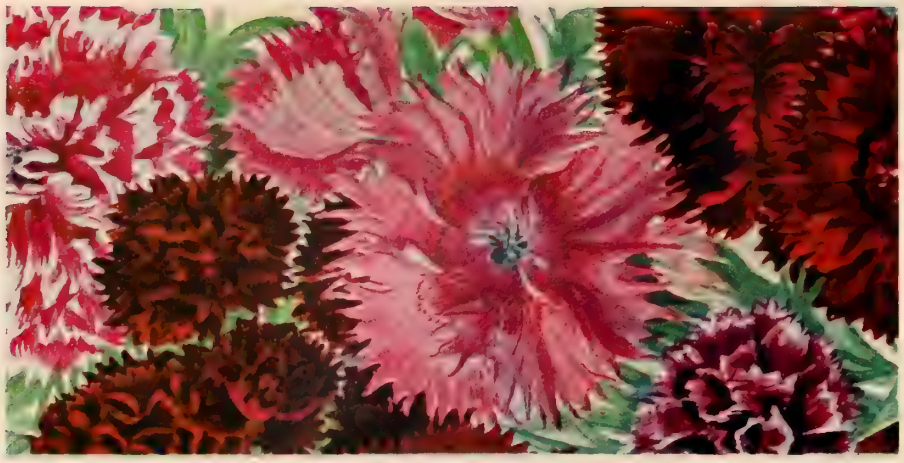
2686 —MIXED. ¼ oz., 25c; pkt., 10c

See also Perennial Pages

My Dahlias are beautiful. Of the Unwin Dwarf Hybrids, I have already gathered over 200 blooms and the plants are still covered with buds

Mrs. A. G. Jackson, Ohio

2681 **GYPSOPHILA** Elegans Grd. Alba. **15c.**



2301 **DIANTHUS** Vaughan's Special Mixture of Single and Double. Pkt., **20c.**

Brilliant Annual Pinks—Dianthus

Culture: A or B, D or E, Page 50

A magnificent family producing their gay, sweet scented flowers in great profusion. They embrace a great variety of forms and come in a remarkably wide range of beautiful and rich color combinations. Sown in April where they are to bloom, and slightly thinned they make a wonderful show from July until cut down by frost. Many of this family will live over winter in our (Chicago) latitude. Seeds germinate in 8 days.

2301 VAUGHAN'S SPECIAL MIXTURE OF DOUBLE AND SINGLE PINKS. This magnificent mixture contains the cream of the annual pinks, both single and double. ⅛ oz., 50c; Pkt., 20c.

2250 SINGLE SWEET WIVELSFIELD, MIXED COLORS. A cross of Dianthus Allwoodi and Sweet William blooming the first year from seed. The flower heads resemble Sweet William in an almost unbelievable range of colors. Pkt., 15c.

2251 DOUBLE SWEET WIVELSFIELD. The original single was a cross of the Dianthus Allwoodi and Sweet William. This has the same characteristic only the flowers are double. Brilliant colors, some with honey fragrance. Pkt., 25c.

2230 HEDDENSIS FINEST MIXED. 16 in. A tetraploid combining the large open flowers of Dianthus Heddewigi with the rugged growth and long stemmed habit of Dianthus Chinensis. Well-formed 2 in. flowers in large numbers on 16 in. stems, suitable for cutting. More tolerant of extreme temperatures than either of its parents. All the traditional Dianthus colors. Pkt., 25c.

2259 LACINIATUS GAIETY. 1 ft. The large fringed flowers have a bewildering variety of pink, white, red and maroon coloring, in decorative patterns, and borne freely on dwarf plants. There are numerous double and semi-double forms. The many blossoms, borne for a long season, will cover a bed of these plants with a fascinating display of brilliant colors. Winter-hardy with protection. Pkt., 25c.

2262 LACINIATUS DOUBLE GAIETY. See Novelties. Pkt., 25c.

2257 CHINESE DOUBLE MIXED. 1 ft. Handsome clusters of very double flowers; many bright colors. Pkt., 10c; 3 pkts., 25c.

2300 DIANTHUS VAUGHAN'S SPECIAL MIXTURE OF DOUBLE PINKS. Selection of the best double pinks in cultivation, ranging in color through all the most brilliant shades. ⅛ oz., 40c, pkt., 10c.

2245 VAUGHAN'S SPECIAL MIXTURE, SINGLE PINKS. Includes all the single varieties listed. The flowers are extraordinarily large and embrace colors ranging from white to pink and deep crimson. ⅛ oz., 40c; pkt., 10c.

2232 DOUBLE ANNUAL SWEET WILLIAM MIXED. 1 ft. A brilliant blend of colors, fine for bedding or cutting. Blooms first year from seed; plants live over winter. Pkt., 25c.

Flowering Kale

2458 FLOWERING KALE. 18 in. Although belonging to the Cabbage or Kale family, this Flowering Kale is entirely different as to its appearance. In young stage its leaves are green just like ordinary Kale, but in autumn as the season advances remarkably beautiful colors begin to appear and paint whole plant self colors or mixed colors. The colors range from white, cream, pink, rose, magenta, etc., on dark green ground. As the plants grow, the colors become more brilliant. Seeds germinate in 10 days. Pkt., 25c.

2491 **GERANIUM** Flowerland Strain (50 Seeds). Pkt., **35c.**

Geranium Seed

Culture: A, B or C, Page 50

2491 FLOWERLAND STRAIN. Improved single large-flowered seed saved from name varieties. This seed will germinate irregularly in from 14 days to two months. The plants may be lifted as they reach suitable size, but the seed box should not be disturbed until germination has ceased. Pkt. (50 seeds), 35c

2458 **FLOWERING KALE.** Pkt., **25c.**

2810 **HELICHRYSUM** Vaughan's Special Mixture. Pkt., **15c.**

Helichrysum

(Strawflower)

Culture: A or B, D or E, Page 50

For winter bouquets, Straw Flowers should be cut before the centers open, and be hung upside down in a cool, dark place to dry. The foliage should be stripped off, and if it is desired, a fairly stiff wire may be twined about each stem to make them easier to handle in arranging them in bouquets. To grow large flowers, disbud, allowing only one bud to remain on each stem. Seeds germinate in 8 days.

2810 VAUGHAN'S SPECIAL MIXTURE OF HELICHRYSUMS. 3 ft. This is a balanced blend of named varieties and many other color tones in large flowered strains, giving an amazing collection of flowers for winter bouquets. ⅛ oz., 25c; pkt., 15c.

2815 TOM THUMB MIXED. 1 ft. Dwarf double sorts. Pkt., 15c.

Annual Hollyhocks

Culture: A or B, D or E, Page 50

These annual kinds bloom the first year and will live over winter and last for several years. If sown in the open ground in April, they will be in flower in August, but if started indoors and set out in May they will bloom in July. Very striking planted near hemlocks or used for roadside planting. Seeds germinate in 8 days.

2845 EVERBLOOMING DOUBLE MIXED. 5 ft. Double and semi-double. ⅛ oz., 35c; pkt., 10c.

2840 EVERBLOOMING SINGLE MIXED. 5 ft. Large single flowers, exhibiting every shade known in Hollyhocks. ¼ oz., 25c; pkt., 10c.

2842 INDIAN SPRING. 6 ft. Bright rose splashed with carmine semi-double flowers, reminding one of fresh strawberry ice cream. Flowering branches are produced freely. Pkt., 15c.

2841 INDIAN SUMMER MIXED. 5 ft. All America Bronze Medal winner. These lovely double hollyhocks, of a wide range of pleasing colors, have all the beauty of the perennial type, and are in fact hardy perennials. But they grow so quickly from spring sown seed, that by mid-summer you have blossoms, which continue until late into fall. Pkt., 25c.

Hunnemannia

Culture: A or B, D or E, Page 50

2861 SUNLITE. 1½ ft. Gorgeous, semi-double, clear canary-yellow blooms. The extra rows of short petals are on the outside instead of the inside of the Tulip-shaped flowers. Light gray-green foliage. Flowers last two to three days. Seeds germinate in 10 days. ⅛ oz., 50c; pkt., 15c.

IMPATIENS. See Page 49.

Leptosyne

Flowers in 5 Weeks

Culture: A or B, C or D, Page 50

3010 STILLMANII. 1½ ft. One of the quickest flowering annuals, blooming within five weeks from date of sowing, and the butter yellow daisy-like flowers continue in perfection for a long period. Excellent for cutting. Seeds germinate in 8 days. Pkt., 10c.

GOURDS, Varieties Illustrated are: 1. Bottle Miniature (2607); 2. (can not offer seed); 3. Large Dipper (2610) 4. (Can not offer seed); 5. Hercules' Club (2618); 6. Turk's Turban (2645); 7. Spoon (2643); 8. Warted Sorts (2646).

Gourds

Culture: A, B, D or E, Page 50

Gourds make attractive decorations at autumn parties and harvest festivals. The small ones may be placed in bowls for table decorations. Bird houses, dippers, bowls, and toys are made of others. The vine is an excellent cover for arbors and trellises. Leaflet on culture sent free if asked for with order. Seeds germinate in 15 days.

2660 VAUGHAN'S SPECIAL MIXTURE. All shapes and sizes of these interesting fruits, so fashionable for ornaments, bird houses, and utensils, are included in this mixture. 1 oz., $1.00; ½ oz., 60c; pkt., 15c.

1927 **CORN** Calico Indian or Sauaw. Pkt., **10c.**

ARRANGE WITH GOURDS FOR DECORATIVE EFFECT

1927 CORN (Calico Indian or Squaw). The ears are used in making charm or Patio strings combined with the small gourd fruits. The kernels are of various bright colors. Matures in 100 days. Oz., 25c., pkt., 10c.

LARGE FRUITED GOURDS

Numbers refer to above illustration.

2605 BOTTLE. The original Thermos bottle. Makes fine bird houses.

2608 CALABASH PIPE. POWDER HORN OR PENGUIN GOURD. Odd-shaped fruit which is used in making pipes

2610 DIPPER (3). Fruit makes an excellent dipper and may be used for birds' nests

2615 DISHCLOTH. Fruit is made up of a spongy-like porous pulp, which may be dried and used as a sponge. To speed up germination of Dishcloth Gourd, pour very hot water over seed and allow to stand for 12 hours. Plant immediately.

2618 HERCULES' CLUB (5). Fruit grows 3 to 4 ft. long

2622 MARANKA (Cave Man Club). Knobby club shaped, dark green

2645 TURK'S TURBAN (6). Odd brightly colored fruit. Intermediate in size.

Each of above, pkt., 10c; any 3 pkts. for 25c.

2651 LARGE FRUITED SORTS. Mixed. Pkt., 10c; 3 pkts. for 25c.

SMALL FRUITED GOURDS

2607 BOTTLE MINIATURE (1).

2625 JAPANESE NEST EGG. Practical nest eggs.

2627 ORANGE. The well-known Mock Orange.

2643 SPOON (7). Small ball-shaped fruit with slender necks, deep orange. By slicing off a side a satisfactory spoon is made

2646 WARTED SORTS (8). Mixed.

Each of the above, pkt., 10c; any 3 pkts. for 25c.

2650 SMALL FRUITED VARIETIES MIXED. Pkt., 10c; 3 pkts. for 25c.

1928 **STRAWBERRY CORN.** Pkt., **25c.**

DECORATIVE AND GOOD TO EAT

1928 STRAWBERRY CORN. While this is really a "Pop Corn" and a very good one at that, its charm is in its attractive effect of the tiny ears which are only 2 in. long and 1½ in. wide and are a rich and shiny mahogany color, not unlike a gigantic strawberry. They are enclosed in straw-colored husks. Matures in 100 days. Pkt., 25c.

2820 **HELIOTROPE** Mammoth Mixed, **15c.**

Fragrant Heliotrope

Culture: A or B, D or E, Page 50

Heliotrope is a universal favorite on account of its delightful fragrance and duration of bloom, flowering equally well as bedding plants in summer, or as pot plants in the house during the winter. Seeds sown in the spring make fine plants for bedding out, however, some do not have fragrance, and in order to perpetuate those that do, they should be grown from seed, then propagated vegatively. Seeds germinate in 15 days

2820 MAMMOTH MIXED. 1 ft. Large flowers ranging from dark blue to lilac. Pkt., 15c.

2965 **KOCHIA** Childsii. Pkt., **10c.**

Kochia-Burning Bush

Annual Hedge Plant

Culture: A or B, D or E, Page 50

2965 CHILDSII. 2½ ft. It resembles a close-clipped ornamental Evergreen. The pyramidal bushes are close and compact and of a pleasing light green. The plant may be grown singly or in the form of a hedge or background and may be clipped to form a perfect hedge, an excellent substitute for boxwood to edge beds. Seeds germinate in 15 days. Oz., 50c; ½ oz., 25c; pkt., 10c

Lavatera

(Annual Mallows)

Culture: A or B, Page 50

Showy plants, covered with large flowers. Seeds germinate in 10 days

2989 SPLENDENS LOVELINESS. Rich rose pink flowers. Very effective as a garden plant. The bronzy foliage and stems making a fine foil to the flowers. Pkt., 15c.

VAUGHAN'S LARKSPUR SUPREME

2170 LARKSPUR, Vaughan's Special Annual Mixture. Charming mixture containing all the bright and delicate colors of this flower. It makes wonderful cut flower material and should be planted generously. Seed should be sown in good rich well-manured soil, and in a full sunny position. The plants should be given plenty of room in order to allow them to branch out freely, and make handsome specimens. 1 oz., $1.00; ¼ oz., 30c; pkt. **15c**

Annual Larkspurs

ANNUAL Larkspurs give fine spikes of bloom that are exceedingly graceful and attractive. They are perfectly hardy, the seedling plants surviving coldest winter weather. Sow very early in spring, thin out the seedlings as necessary and give each plant room for development. Seed may also be sown in late fall just before the ground freezes up for the winter for early flowers the following spring. In the summer germination is improved by chilling the seed several days in the refrigerator. Seeds germinate in 15 days

LARKSPUR SUPREME

Culture: A, B, D or E, Page 50

This is an entirely new strain of the popular base branching type, which produces sturdy plants sending up from the base many flowering spikes, each a tall, strong, spire of beauty; the perfect cutting strain. The colors are not just slight variations from old varieties, but are new, distinct, with a brilliance equaled by no others. In California the central spikes grow to a height of 6 feet, with its companions only slightly lower. Florets are fully double, closely placed on the stem.

From Left to Right in Illustration:

2128 ROSE SUPREME. Deeper rose than any other
2127 LILAC SUPREME. Clear, pale lilac, free from pink
2129 SALMON SUPREME. True salmon, stronger in tone than others.
2130 WHITE SUPREME. Pure white without suggestion of pink
2132 PINK SUPREME. Deep rose pink, lovely under lights
2131 DARK BLUE SUPREME. Deep violet purple.
Each of the above, pkt., 15c; any 4 pkts., 50c.

2133 SUPREME MIXED. A blend of all the above with additional colors not yet introduced. ¼ oz., 65c; Large Pkt., 25c.

DOUBLE GIANT IMPERIAL (Base Branching). 3 to 4 ft.

These Larkspurs are ideal for cut flowers as the flower stems, three to four feet long, branch from the base of the plants

2151 BLUE BELL. Lovely sky blue
2166 BLUE SPIRE. Deep violet blue
2152 CARMINE KING. Brilliant scarlet
2155 EXQUISITE PINK IMPROVED. Soft pink shaded salmon
2175 WHITE KING. Pure glistening white with rounded broad petals
Each of the above, pkt., 15c; any 3 pkts. for 35c; any 6 pkts. for 60c.

2159 GIANT IMPERIAL MIXED. The above and others. Oz., $1.60; ¼ oz., 50c; pkt., 15c.

DOUBLE STOCK FLOWERED 3 to 4 ft.

2150 STOCK FLOWERED MIXED. All colors. Oz., $1.00, ¼ oz., 30c; pkt., 10c.

SUPER MAJESTIC 5 ft.

The double large flowers are closely set on tall 5-foot spikes and the vigorous growth and abundance of bloom make this new strain especially useful for cut flowers and border backgrounds.

2182 SUPER MAJESTIC MIXED. Pkt., 25c.

Lovely Blue Lobelias

3040 **LOBELIA** Bedding Queen. Pkt., **15c.**

Culture: D or E, A or B, Page 50

DWARF VARIETIES

For varied and vivid tones of blue, produced in such abundance as to hide the leaves, the dwarf varieties are unrivaled. Best of all blues for edging and ribbon planting. By cutting back in midsummer, all-summer bloom is assured. Seed germinates in 10 days

3040 BEDDING QUEEN. 4 in. Dwarfest, best for ribbon bedding. Flowers deep purplish-violet, with clear white eye. Pkt., 15c.
3041 BLUE GOWN. Clear deep blue, without eye, fine compact habit. Pkt., 25c
3042 BLUE STONE RE-SELECTED. Compact habit, large flowers of brilliant mid-blue. 4 in. Pkt., 25c
3053 CAMBRIDGE BEAUTY. Large light blue flowers, green foliage. Pkt., 25c.
3045 CRYSTAL PALACE COMPACTA. 4 in. Deepest blue, dark foliage. Pkt., 10c.
3050 EMPEROR WILLIAM. Gentian blue flowers, light foliage, one of the best and most popular sorts. 4 in. Pkt., 10c.
3070 DWARF MIXED COLORS. Pkt., 10c
3067 TENUIOR. 15 in. Upright habit, large flowers of rich cobalt blue with white eye. Pkt., 15c

Trailing Lobelias

Are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

3065 SAPPHIRE. Large, deep blue flowers, with a pure white eye. Pkt., 15c.

Annual Lupines

Culture: A or B, D or E, Page 50

Free flowering, easily grown annuals, with long, graceful spikes, pea-shaped flowers. The fine, dark, glossy foliage makes an admirable foil for the long spikes of bloom; prefers a little shade. Seed germinates in 10 days.

USE NITRAGIN for inoculating Lupin Seed. Garden Size. Pkt., 15c.

KING OR GIANT HARTWEGI. 3 to 4 ft. Base branching plants, each bearing six to eight large flowers

3079 MIXED. Pkt., 10c
3105 TALL ANNUAL SORTS, MIXED. ¼ oz., 30c; pkt., 10c
3106 PIXIE DELIGHT (Dwarf Annual). 10 in. A gay mixture of pink, rose, blue, lavender and white, as well as bicolor combinations. Very early and free blooming, a fine novelty item useful in borders, bedding and as a pot plant. Pkt., 25c

Matricaria

Culture: D or E, A or B, Page 50

3206 CAPENSIS IMPROVED. (Feverfew). 3 ft. Small, double white flowers, borne in clusters. They are perennial, but may be treated as annuals. Select flat petaled type, snow-white flowers. Seeds germinate in 12 days. Pkt., 35c

3245 **MIGNONETTE** Machet. Pkt., **10c.**

Sow for Fragrance Mignonette (Reseda)

Culture: A or B, Page 50

A well-known, old-fashioned flower highly prized for its fragrance, either in the garden or in mixed bouquets. The plants resent moving and seed should be sown where they are to bloom, thinning them to a foot or more apart. Seeds germinate in 8 days.

3245 MACHET SELECT. 15 in. It is the best Mignonette for all purposes. It is an ever-bloomer, the flowers lasting until late in the fall. ⅛ oz., 25c; pkt., 10c.
3260 MIXED. Also many shades and types. ⅛ oz. 25c; pkt., 10c

EVENING SCENTED STOCK or PERFUME PLANT

Culture: A or B, Page 50

3212 MATTHIOLA BICORNIS. 15 in. Lilac flowers which in the morning, evening and after a shower emit a delicious perfume. Seeds germinate in 10 days. Pkt., 10c.

Gay Sun-Loving Marigolds

Culture: A or B, D or E, Page 50

MARIGOLDS come in every known tint and shade of yellow and orange and in mahogany tones running into a lively red. They bloom earlier when started under protection, but are easily grown from seed sown direct in the garden. Seeds germinate in 8–10 days

LARGEST, DAHLIA FLOWERED

3142 SUNSET GIANTS. 3½ to 4 ft. Flowers 7½ inches in diameter are sometimes produced by plants of this giant strain, largest of all Marigolds The average size is less, but still exceptionally large Color varies, yellow and orange. Plants vigorous, heavy stems, 60% double. Pkt., 15c

3141A ORANGE SUNSET. Giant deep orange. Pkt., 15c.

3177 DWARF GIGANTEA POT O'GOLD. 12 inch. Plants are compact, well branched, bearing large blooms of bright deep orange. Flowers are somewhat loosely formed, with broad heavy petals; gracefully overlapping. Blooms early. Pkt., 25c

CARNATION FLOWERED

3129 CALIFORNIA GOLD. 2½ ft Attractive deep orange flowers, with long loose petals artistically arranged, without Marigold odor. Flowers 2½ in. across on good wiry stems. Pkt., 15c.

3152 ORANGE SUPREME. Except for its deep orange coloring, this is a twin for Yellow Supreme, which can pass for a Carnation in table arrangements, and is conceded to be best of its class. Flowers reach 4 to 5 inches, on long stems, plants 3 feet tall. Pkt., 25c.

3124 YELLOW SUPREME. A large bloom of honey fragrance, with broad, loose, frilled petals of a rich lemon-yellow, largest of true "Carnation flowered" type. Plants are vigorous, with foliage practically free from Marigold odor. Pkt., 10c.

3123 GUINEA GOLD. 2 to 2½ ft. The original Carnation-flowered type, producing flowers 2 to 2½ inches across, of brilliant orange flushed with gold. Practically 100% double. This is an early flowering sort. ⅛ oz., 35c; pkt., 10c.

CHRYSANTHEMUM FLOWERED

3151 MAMMOTH "MUM". 30 in. The flowers are fluffy ball-like, light sulphur yellow in color. The flowers are 3½ in. across and 2 in deep. Pkt., 25c.

3132 YELLOWSTONE. 3–5 ft. A sister of Goldsmith which was orange, this is golden yellow, of incurved, globular form, 2½-inch flowers, rather late. Pkt., 25c

3153 GOLDSMITH. 3 ft. Earliest of the Chrysanthemum flowered Marigolds. Orange globular flower with incurved petals, borne on long base branching stems Pkt., 25c.

3137 GLITTERS. See Novelties. Pkt., 25c.

3139 HAPPINESS. See Novelties. Pkt , 25c.

3127 LIMELIGHT. 3 ft. A pale primrose yellow or deep cream, in the incurved Chrysanthemum-flowered type. Early-flowering 1½–2½ inches in diameter free-flowering and coming quite true. Pkt., 15c

3140 VAUGHAN'S CHRYSANTHEMUM FLOWERED HYBRIDS. 3 ft. An early flowering strain, bearing flowers of several distinct types, and tones of orange and yellow Pkt . 15c

3141 CROWN OF GOLD. 2 ft. The first known Marigold with odorless foliage Flower centers are of short curled, quilled petals with a collar of flat guard petals on outside. Color is orange, 2½-inch flowers, fragrant Pkt., 20c

3155 SUPER GIANT MIXED. All large flowered sorts. Pkt., 25c

3195 SPECIAL MIXTURE OF ODORLESS FOLIAGE VARIETIES. All the odorless varieties in excellent blend. Pkt., 25c

3154 VAUGHAN'S TREASURE CHEST. 2½ to 3 ft Colors run from deepest orange through orange, yellow, buff to lightest primrose. Chrysanthemum Carnation and Peony-flowered, many 5 in. across ⅛ oz., 50c; Pkt., 15c

DOUBLE TALL AFRICAN 30 IN.

3134 ALLDOUBLE ORANGE. Pkt., 15c

3133 ALLDOUBLE LEMON. Pkt., 15c.

3150 VAUGHAN'S SPECIAL TALL MIXTURE. This mixture includes all the African sorts, including this year's novelties A packet will give you flowers of enormous size in a wonderful assortment of color. ⅛ oz., 50c, pkt., 15c

Annuals for Shady Locations

Anchusa	**Coleus**	**Nemophila**
Antirrhinum	**Cynoglossum**	**Pansy**
Begonia	**Impatiens**	**Petunia, Small Fld.**
Bellis Perennis	**Linaria**	**Schizanthus**
Canary Bird Vine	**Myosotis**	**Stocks**
Centaurea	**Nasturtium**	**Torenia**
Clarkia	**Nicotiana**	**Violas**

4746 ANNUALS FOR SHADE MIXED. Pkt., 25c

3175 VAUGHAN'S SPECIAL MIXTURE OF DWARF DOUBLE AND SINGLE VARIETIES. These dwarf, compact strains are very attractive, each plant being covered with hundreds of small bright flowers, including listed varieties and many others of charming variations. ⅛ oz., 50c; pkt., 10c

3197 CUPID ORANGE SHADES. See Novelties. Pkt., 25c

DOUBLE DWARF FRENCH HARMONY TYPE

A selection of new strains and varieties in the popular crested center type. 12 in. to 14 in

3164A BUTTERBALL. See Novelty Pages. Pkt., 25c

3174 HARMONY. Dwarf, compact, early, golden yellow bordered, maroon red. ¼ oz., 60c; ⅛ oz., 35c; pkt., 15c.

3169A SCARLET GLOW. 1 ft. In the sun this flower glows and seems redder than any other Marigold. Pkt., 25c.

3170 HARMONY HYBRIDS. Wide and varied range striking color combinations, 1¾ inch flowers with crested center and flanking guard petals, early 100% All Double. Pkt., 25c

3142 **MARIGOLD** Gigantea Sunset Giants. Pkt., **15c.**

3170 **MARIGOLD** Harmony Hybrids, **25c.**

SINGLE FRENCH

3179 NAUGHTY MARIETTA. 2 ft. Golden yellow flowers with mahogany star in center. 2 to 2½ in across. Dwarf showy plants completely covered with bloom. Pkt. 25c.

3156 WILDFIRE. 18 in. This seed bearing hybrid between French and African varieties, bears single flowers which sometimes reach 3 in. in diameter, varying in color and markings on the same plant. Blooms in eight weeks from sowing Pkt., 10c.

3187 FLASH. 18 in. All America Silver Medal. The name is descriptive of the bright combination of colors which range from vivid red through bronze with a few yellow flowers. Flowers grow 1¾ in. across. Pkt., 25c

3180 RED HEAD. 1 ft. Single, crested flowers with overlapping, recurved petals—opening mahogany red, changing to bronzy gold. The crested center is made up of tiny erect golden petals edged with maroon. Compact, plants completely covered with flowers. Pkt., 25c.

DWARF FRENCH, DOUBLE 10 IN.

3171 MONARCH STRAIN OF DWARF FRENCH DOUBLE MIXED. Symmetrical compact habit, including orange, bronze and mahogany. ¼ oz., 35c. ⅛ oz., 25c; pkt., 10c

Mexican Marigolds

3200 MEXICAN MARIGOLD (Signata Pumila). 1 2 ft. A miniature type forming compact plants completely covered with golden orange flowers Pkt , 10c

3149 TOM THUMB GOLDEN CROWN. 10 in. A dwarf form of Guinea Gold. Golden yellow flowers of Carnation type are produced, often 25 to 30 on a plant. Pkt., 15c

Miniature Harmony

3170A MARIGOLD SPRY. 9 in. This is a miniature version of Harmony, growing in compact bushes, producing freely flowers less than half the size of the popular variety Harmony. It is uniform and fine for ribbon planting. Pkt., 25c.

3179 **MARIGOLD.** Naughty Marietta. Pkt., **25c.**

Sensitive Plant (MIMOSA)

Culture: D or E, A or B, Page 50

3270 1 ft. A pretty and curious foliage plant with leaves like those of the Acacia. They are very sensitive and close up immediately if touched or shaken Flowers like pink fluffy balls Seeds germinate in 10 days. Pkt , 10c

2901 **MORNING GLORY.** Giant Cornell. Pkt., **20c.**

2942 **MORNING GLORY.** Heavenly Blue Improved. Pkt., **15c.**

2948 **MORNING GLORY.** Scarlett O'Hara. Pkt., **20c.**

1922 **BUSH MORNING GLORY.** Royal Ensign. Pkt., **20c.**

Giant Morning Glories

Special Culture on Packet

If sown outdoors, do not sow until the ground is warm and summer established. Give plants full sun, porous soil, and do not overfeed, as this may limit flowers. Seeds germinate in 8–10 days.

2942 HEAVENLY BLUE IMPROVED. The color is a deep sky blue, shading lighter toward the center; the flowers are large and freely produced and the plants flower early and continue throughout the summer. Flowers remain open to six o'clock in the evening on cloudy days. Oz., $1.00; ¼ oz., 30c; pkt., 15c.

2941 CLARKE'S EARLY FLOWERING. A strain of Heavenly Blue selected for earliness. Flowers measure 3½ to 4 inches across. To sow indoors, nick through hard outer shell of seed with knife or file. Then sow in flower pot in good friable soil, and place where bottom heat of at least 70 degrees is provided. Keep indoors until weather is warm. ¼ oz., 30c; pkt., 15c

2901 GIANT CORNELL. The flowers, as large as Heavenly Blue, are an intense carnelian red with pure white border, reproducing the colors of Cornell University, presenting a very gay appearance. Growth is rapid and flowers come early, when vine is two feet tall, increasing in number until killing frosts arrive. ¼ oz., 50c; pkt., 20c.

2903 DARLING. See Novelties. Pkt., 25c.

2943 IMPROVED PEARLY GATES. This is a white sport of the lovely Heavenly Blue morning glory, and is similar in size, vigor of growth and abundant bloom, to that unsurpassed climber. Pkt., 25c.

2948 SCARLETT O'HARA. Stunning 3½-in. flowers of a soft velvety scarlet, borne in profusion from July until frost. The flowers stay open longer in the day than other sorts. ¼ oz., 60c; pkt., 20c.

2945 ROSE MARIE. Medium sized double flowers of deep rose. Early and free flowering. Pkt., 15c

2939 BLUE STAR. A giant flower of light sky blue accentuated by five deeper blue midribs to form an attractive star. Flowers average 4 to 4¼ inches in diameter. Pkt., 25c.

BUSH MORNING GLORY 1 FT.

Showy hardy annuals for beds and borders, also rockwork; they bloom for a long period and delight in sun.

1921 PINK. Dwarf spreading plants which are very free flowering. Excellent for growing in window boxes, hanging baskets, low edgings and rockeries. The flowers resemble small morning glories but remain open all day in good weather. Sow seed in bright, sunny spot. Pkt., 25c.

1922 ROYAL ENSIGN. A deep bright ultra-marine, the deepest and brightest of all blue annuals, with a white halo and gold throat. The plants are covered with their attractive blossoms all summer. Use for edging and borders. 8 in. Pkt., 20c.

1920 MIXED, all colors. Pkt., 10c.

CONVOLVULUS (Morning Glory)

1900 TALL MIXED, all colors. 1 oz., 25c; pkt., 10c.

Moonflowers

"Moonflowers" are climbers.

These are Ipomoeas that bloom at sunset, fading in late morning. Very fragrant. Seeds germinate in 10–12 days.

2895 BONA NOX (Evening Glory). Violet. Pkt., 10c.

2905 MEXICANA GRANDIFLORA ALBA (White Moonflower). Opens 4–5 inch white flowers every evening and cloudy day. Pkt., 10c.

2910 GIANT PINK. Soft lilac-pink flowers. Pkt., 10c.

Day Flowering

2925 IMPERIAL MORNING GLORIES Vaughan's Special Mixture. The colors run from snow-white through all tones of blue, red, and purple. Sun-loving plants do best when protected from north and west wind. ¼ oz., 30c; pkt., 10c.

Red, White and Blue

2940 RED, WHITE AND BLUE COLLECTION. One packet each of Scarlett O'Hara, Heavenly Blue and Pearly Gates Morning Glory (value 60c), for 40c.

2935 RED, WHITE AND BLUE MIXTURE. A balanced mixture of the above. Pkt., 25c.

Lantana

Culture: D or E, Page 50

A tender perennial grown as an annual in cold winter sections. Seed germinates in 30 days

2975 HYBRIDA TALL MIXED. 1 ft. Verbena like flowers in shades of white, red and yellow. May be grown in pots, or set out in summer; remains in bloom late in autumn. They have an agreeable aromatic perfume. Pkt., 10c.

2980 DWARF HYBRID Mixed. Pkt., 15c.

Linarias (Baby Snaps)

Culture: A or B, Page 50

Popularly called miniature snapdragons, these are charming free flowering border plants in bright and pastel tones. To get best results thin to 18 inches. Seeds germinate in 20 days

3039 FAIRY BOUQUET. 8 in. A strain greatly improved by more compact growth, and with large flowers of rose, yellow, pink, lavender, carmine, red, violet, white and salmon. ⅛ oz., 35c; pkt., 15c

3034 MAROCCANA HYBRIDA EXCELSIOR, MIXED. Colors range through crimson and gold, pink, mauve, dark blue, chamois, rose. Pkt., 10c.

3035 NORTHERN LIGHTS. See Novelties. Pkt., 25c.

Marvel of Peru or Four O'Clocks

Culture: A or B, D or E, Page 50

Showy summer and fall blooming plants that do well everywhere. Flowers open in the afternoon and all day if it is cloudy. It is little known that roots may be lifted in the fall and stored like Dahlias to be replanted in spring. Four O'Clocks make an interesting low hedge very rapidly. One of the best for smoky city sections. Seeds germinate in 10 days.

3290 MIXED COLORS. ¼ lb., 90c; 1 oz., 30c; pkt., 10c.

3300 MIRABILIS UNIFLORA. Bright rose flowers of the most unusual "trumpet in trumpet" form. The effect is very like that of slender nicotiana trumpets rising from the centers of Petunia blooms. 30 in. tall. Pkt., 25c.

Mesembryanthemum

(Ice Plant)

2869 CRINIFLORUM (Livingstone Daisy). Plants of slightly spreading, daisy-like flowers, 2 inches, pure white edged with rose, crimson, pink and buff; and self colors. Will grow in crevices of paving or old walls and thrives in poor and sandy soil. Seed germinates in 8 days. Pkt., 25c.

Nemophila (Baby Eyes)

Culture: A or B, D or E, Page 50

Hardiest of annuals, and of the easiest culture for semi-shaded spot. Excellent greenhouse subject. Seeds germinate in 15 days

3376 INSIGNIS BLUE. Lovely cup-shaped, sky blue flowers with white center. Pkt., 10c

Fragrant Nasturtiums

NASTURTIUMS will really grow on soils incapable of supporting any other plants, and are most useful on dry, sandy, or gravelly banks. Leaves of Nasturtiums may be used for sandwich fillings and salads and the green seed pods may be used in pickles. Seeds germinate in 8–10 days. Sow after frost danger is over.

APHIS ON NASTURTIUMS. One of our friends writes in "Horticulture": "I am not troubled with aphis if I sprinkle moth balls (napthalene) quite close to the stems of the plants." Rotenone and Black Leaf 40, are also effective.

Tall, Double Fragrant Varieties

3735 GOLDEN GLEAM. The large double, golden yellow flowers on long stems are borne profusely well above the bright green foliage. Oz., 45c; pkt., 10c

3732 INDIAN CHIEF. Dark foliage and vivid scarlet flowers. Oz., 45c; pkt., 10c

3734 MAHOGANY. Large double flowers of dark mahogany-red. Oz., 45c; pkt., 10c.

3737 ORANGE GLEAM. Clear deep orange colored flowers. Oz., 45c; pkt., 10c.

3738 SALMON CERISE. Oz., 45c; pkt., 10c

3736 SCARLET GLEAM. The flowers are a fiery orange-scarlet. Oz., 45c; pkt., 10c.

3745 VAUGHAN'S SPECIAL MIXTURE OF TALL NASTURTIUMS. In this will be found all the choicest colors of all the Tall Nasturtiums, both single and double, and will furnish a brilliant display of flowers. ¼ lb., $1.00; 1 oz., 35c; pkt., 15c

Dwarf, Double Fragrant Varieties

3557 GARNET GEM. Deep, rich, garnet-red. The delightfully scented flowers have enough orange suffusion to enliven them with an irridescent glow that is most pleasing. Oz. 45c; pkt., 10c

3561 GLOBE OF FIRE. Flowers of flaming red, contrasting vividly with the dark green leaves, borne in great abundance upon a compact plant. Oz., 45c; pkt., 10c.

3558 GOLDEN GLOBE. Identical in color with Golden Gleam, but making bushy plants which the freely produced blossoms convert into mounds of gold. Oz., 45c; pkt., 10c.

3542 MAHOGANY GEM. The velvety, brilliant flowers are rich, deep mahogany. Red wallflower color. Oz., 45c; pkt., 10c

3560 DWARF DOUBLE GEM MIXED. Ideal for edging beds and window boxes. Evenly balanced range of bright colors. ¼ lb., $1.25; oz., 45c; pkt., 15c.

3570 VAUGHAN'S SPECIAL MIXTURE OF DWARF NASTURTIUMS. This mixture is put up by ourselves from named single and double varieties which have the richest and most varied colors. ¼ lb., $1.00; 1 oz., 35c; pkt., 15c.

Old-fashioned, Free Flowering Single

3575 SINGLE DWARF NASTURTIUMS MIXED. Single flowering varieties are preferred by many because they flower more freely in some locations. This mixture includes a well balanced range of red, orange and yellow, even more varied than is found among the double type. ¼ lb., $1.00; oz., 30c. Pkt., 10c.

3739 VAUGHAN'S DOUBLE TALL GLORIOUS GLEAM HYBRIDS. Colors never seen before in a double Nasturtium abound in profusion—salmon, golden yellow, orange scarlet, cerise, cream yellow, orange, crimson, and gold flushed scarlet combine with the foliage of fresh green. ¼ lb., $1.25; oz., 45c; pkt., 15c.

3356 **MYOSOTIS** Blue Bird. Pkt., **25c.**

Forget-Me-Nots

(Myosotis)

Culture: A, B or C, Page 50

Will bloom the first year from seed, so treat as annuals. If wintered over, Alpestris varieties will bloom in early spring; they delight in well-drained soil in a sunny location. Other varieties listed will bloom from May until frost and prefer cool, moist loam and half-shade. For beds, borders, rock gardens, pots and cutting. Seeds germinate in 15 days.

3321 ALPESTRIS BLUE EYES. 10 in. Bright blue with white eye, large, early. Pkt., 15c

3328 ALPESTRIS INDIGO (SUTTON'S ROYAL BLUE). 10 in. Popular for spring bedding, spreading spray like stalks covered with deep indigo flowers, also good for cutting. Pkt., 10c

FORGET-ME-NOTS—Continued

3335 ALPESTRIS ROBUSTA GRANDIFLORA. 12 in., an extra select strain. Large clusters of mid-blue flowers. A perennial which can be treated as an annual, blooming the first year from seed. Pkt., 20c.

3356 VAUGHAN'S EARLY AND LATE FLOWERING BLUE BIRD. 1 ft. A beautiful deep blue variety. A perennial which blooms from seed if sown early the first year. Pkt., 25c.

3350 STRICTA BLUE BOUQUET. 1 ft. A compact, upright grower of the pillar or column type, completely smothered with flowers of bright blue. Pkt., 25c.

3340 VICTORIA SKY BLUE. 8 in. Dwarf globular plants, completely covered with bloom, best variety for borders and pots. Pkt., 25c

Nicotiana

FRAGRANT TOBACCO PLANT

Culture: A or B, D or E, Page 50

Their long tubular flowers close in midday, but open as evening approaches and give forth a rich perfume. Seeds germinate in 20 days

3390 AFFINIS. 2 ft. One of the most delightfully fragrant flowers, giving a continuous display of waxy white flowers right through the summer and autumn. The plants are of branching, bushy habit, carrying their flowers in clusters. Pkt., 10c.

3392 AFFINIS HYBRIDS. 2 ft. Splendid hybrids in blue, red and rose shades. ⅛ oz., 25c; pkt., 10c.

3393 AFFINIS CRIMSON BEDDER. The flowers are of a rich deep crimson. 15 in. Pkt., 15c

3391 AFFINIS DWARF CRIMSON FLAME. Petunia-like flowers form five pointed red stars. Pkt., 25c

3403 DAYLIGHT. 1–2 ft. In this new hybrid the white blooms remain fully open during even the most brilliant sunshine. Plants are of compact, bushy habit, with an abundance of pure white flowers with the same delightful fragrance as Nicotiana Affinis, and makes an ideal subject for massing. Pkt., 35c

3404 ORANGE BLOSSOM (Miniature White). 18 in. An elegant small flowered pure white species; delightfully scented, even, upright growth. Daintier than the Affinis or Sanderae Hybrids. Pkt., 25c

3397 SANDERAE HYBRIDS. Pkt., 10c

3404 **NICOTIANA** Orange Blossom. Pkt., **25c.**

Nigella

(Love-in-the-Mist)

Culture: A or B, D or E, Page 50

3420 MISS JEKYLL DARK BLUE. 1 ft. A lovely variety, bearing on long stems, large semi-double flowers of a charming intense sky blue nestling in fine feathery foliage. Seeds germinate in 10 days. Pkt., 10c

3415 MIXED BLUE AND WHITE. 8 in. Pkt., 10c

Detailed cultural instructions on Page 50, if followed will insure your success in growing flowers from seed. Note cultural references given for each subject, also time required for seed to germinate

Nierembergia

Culture: D or E, Page 50

3412 COERULEA PURPLE ROBE. Of compact growth, completely covered with bloom, but its flowers are of deep violet, unfading in the hot sun. Blooms in 15 weeks from sowing, prefers sandy soil and sun, splendid for bedding and edging. Pkt., 25c

4370 **POPPY** Shirley Vaughan's Special Mixture. Pkt. **15c**

Shirley Poppies

Culture: A, Page 50

Sow them early—since they defy frosts— and where they are to bloom, as they dislike transplanting. They flower quickly from seed. Successive sowings should be made to provide continuous flowering. Mix the seeds with sand to scatter them, and thin out to 8 inches apart. Seeds germinate in 20 days.

They have beautiful satiny flowers, all with white centers. Foliage is hairy and finely cut.

4277 AMERICAN LEGION. 2 ft. A dazzling orange-scarlet of enormous size. ¼ oz., 25c; pkt., 10c.

4238 DOUBLE BEGONIA FLOWERED SWEET BRIAR. A delightful shade of deep rose-pink. Pkt., 10c

4239 DOUBLE BEGONIA FLOWERED MIXED. The flowers resemble the double tuberous rooted Begonias in form, and contain an assortment of lovely light colors. Pkt., 10c.

4368 DOUBLE SHIRLEY RYBURGH HYBRIDS. Beautiful satiny flowers in shades of white, pink and old rose with white center. Pkt., 10c.

4370 VAUGHAN'S SPECIAL MIXTURE. 2 ft. Lovely and dainty tints, many edged and blended with other colors. 1 oz., $1.00; ½-oz., 50c; ¼ oz., 30c; pkt., 15c.

4270 TULIP (Glaucum). 20 in. Large tulip-shaped flowers of dazzling scarlet; not unlike a Scarlet von Thol Tulip. ½ oz., 30c; pkt., 10c.

4251 POPPY PIERROT. See Novelties. Pkt., 25c.

Pentstemon

Culture: D or E, Page 50

3926 SENSATION MIXTURE. If sown in heat in February or March, they will flower freely the first year, producing large spikes of handsome Gloxinia-like flowers. Often 2 in. across and in the most brilliant and varied colors, many of which are beautifully edged with a fine contrasting color. Seeds germinate in 20 days. 2 ft. Pkt., 25c.

See Perennial Pages for other varieties.

Large Flowering Petunias

SINGLE FRINGED

4083 BLUSHING MAID. Its single flowers are of largest size, deeply fringed and ruffled, of a rosy pink and white with yellow veins and throat. One of the loveliest giant singles. Pkt., 35c.

4049 DAINTY LADY. A large flowering single fringed variety of delicate golden yellow, the first really yellow Petunia. To protect this coloring, plant in light shade, as bright sunlight fades it. Pkt., 35c.

4047 PURPLE BEAUTY. 16 in. A large flower beautifully frilled, the best blue fringed Petunia. Pkt., 35c.

4045 FRINGED ROYALTY. Immense blossoms ruffled and waved vary from pure white touched with purple in varying combinations to rich self colored blooms. Often blossoms of all different patterns appear on the same plant. Pkt., 25c.

4069 RUFFLED MONSTERS. Semi-dwarf type of erect and robust habit. The flowers are very large and ruffled, colors red and dark purple, richly marked and veined. Pkt., 50c.

4082 SCARLET BEAUTY. Very bushy, covered with rich scarlet flowers. The result of breeding from the popular Queen of the Market. Pkt., 35c.

4078 SETTING SUN. Forms compact bushes 12 inches high, covered with fringed blossoms of rose pink, measuring 3 inches across. Pkt., 35c.

4048 FRINGED SNOWSTORM. 20 in. Flowers white with yellow throat, 3-inch diameter and deeply fringed. Pkt., 35c.

4080 TANGO. See Novelties. Pkt., 50c.

4046 THE ART. 13 in. The large fringed flowers are boldly striped and blotched with brilliant carmine-rose and pure white. Base branching in habit, it makes an excellent cutflower. Pkt., 35c

4062 THEODOSIA. 20 in. Fringed rosy pink with a golden center. Fine for porch boxes. Pkt., 35c.

4059 WHITE BEAUTY. Fringed pure white. Pkt., 25c.

4052 FRINGED WHITE MOUND. A low, compact mound of large fringed white blossoms. An excellent plant for cemetery. Pkt., 35c.

4055 **PETUNIA** Snow Storm. Pkt., **35c.**

SINGLE PLAIN EDGE 12—16 IN.

The flowers of this type average 3 to 4 inches across.

4060 DAZZLER. Dazzling scarlet. See novelties. Pkt., 35c.

4058 ELK'S PRIDE. RE-SELECTED. Velvety black-purple, one of best dark blues. Pkt., 25c

4055 SNOW STORM. Glistening white, faintly yellow in the throat. Huge 4 to 5 in. flowers. Pkt., 35c

4067 WHITE CLOUD. See Novelties. Pkt., 35c.

GIANT SINGLE FLOWERING 18 IN.

The flowers of this strain average 5 to 7 inches across

4077 SALMON BEAUTY. True salmon pink, one of the outstanding varieties in our trials. Pkt., 35c.

4100 VAUGHAN'S BEST MIXTURE LARGE FLOWERING SINGLE. Includes Giant Ruffled, all colors of large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats and mammoth flowers. Pkt (300 seed) 35c.

4076 Petunia Fluffy Ruffles Mixed. Pkt., **35c.**

ILLUSTRATED ABOVE

4076 FLUFFY RUFFLES MIXED. The flowers are so ruffled and frilled they have the appearance of being double. The flowers are very large with large throat. It is a well balanced mixture of pink, white, salmon, deep rose crimson, and light blue, about 75% will be ruffled. Pkt., 35c

4065 GIANTS OF CALIFORNIA MIXED. A well balanced mixture containing a remarkably fine variety of colors, in blends of crimson, white, violet, lavender and pink. Large flowers freely produced. Pkt., 25c.

4066 DWARF CALIFORNIA GIANTS MIXED. The habit of the plant is very dwarf, flowers very large and of the finest substance. All with open veined throats of the Superbissima type. Pkt. (250 seeds), 50c; 500 seeds, 90c.

4100 **VAUGHAN'S** Best Mixture, Large Flowering Single. Pkt., (300 seeds) **35c.**

PRIMULA (Primrose). See Page 49

HOME GREENHOUSE AND HOUSE PLANTS FROM SEED. See Pages 48-49

Small Flowering Single Petunias

Culture D or E, Page 50

In dry season or wet, the Petunia is the most adaptable, long flowering and colorful of the garden annuals. There is an almost complete color range from the pure white to delicate yellow, through many shades to red and rich purple, veined or blotched with plain or frilled edges. There are small, large single, and double flowered. Petunias make good cut flower material. We supply a leaflet on culture if asked for with order. Seeds are very tiny and germinate in 20 days.

4018 **PETUNIA** Rose of Heaven Select. Pkt., **25c.**

4001 **PETUNIA** Heavenly Blue Re-Selected. Pkt., **25c.**

4017 **PETUNIA** Celestial Rose. Pkt., **25c.**

3975 **PETUNIA** Howard's Star Improved. **10c.**

SINGLE SMALL FLOWERING PETUNIAS 18 TO 24 IN.

4006 FLAMING VELVET. A rich velvety crimson, best of its color in this class. Pkt., 35c.

3975 HOWARD'S STAR IMPROVED. Red purple with white star. Pkt., 10c.

3995 FINEST MIXED. ⅛ oz., 50c; pkt., 10c.

MINIATURE 6 IN.

A new strain of dwarf compact miniature Petunias.

4027 ROSE GEM. Deep rich rose. Pkt., 25c.

4024 VIOLET GEM. Rich violet blue. Pkt., 25c.

SINGLE DWARF SMALL FLOWERING PETUNIAS 12 to 15 IN.

3996 ADMIRAL. In uniform growth, and unvarying clear dark blue coloring of its abundant blossoms this excels all other small-flowered blue Petunias. Pkt., 50c.

4017 CELESTIAL ROSE. Improvement on Rose of Heaven. More compact in growth and deeper in color. A beautiful rich satiny rose with white throat. Pkt., 25c.

3997 FIRE CHIEF. Winner of Gold Medal in All America trials, 1950. This is a dwarf, compact plant which bears single flowers of intense pure red, which develops its greatest brilliance when grown in a cool, sunny location. It is just the thing for the brightest bed or border group in your garden. Pkt., 25c.

4001 HEAVENLY BLUE RE-SELECTED. A silvery light blue. Varies about 10% in tone. Pkt., 25c.

4007 GLOW. The richest red small flowered single petunia, a dwarf, bushy plant, which is covered with 2½-inch flowers of dazzling carmine red. Pkt., 25c.

3973 IGLOO. Uniform, free-blooming, dwarf white. The small, 1½-inch creamy white flowers with yellowish throats, cover the plants. Pkt., 25c.

4005 IMPROVED ROSY MORN. An improved strain of the popular clear pink bedding variety. Of deeper coloring, more compact growth, and freer flowering with the same white throat. ⅛ oz., 50c; pkt., 15c.

4022 KING HENRY. Compact, globular habit, large blooms of a velvety blood red color on short stems. A dwarf Flaming Velvet. Pkt., 25c.

4023 PINK SENSATION. 24 in. A new type with tall, bushy plants, and flowers in profusion. The blossoms are large, of light rose-pink. The plants are held erect by strong stems without sprawling. Pkt., 50c.

4018 ROSE OF HEAVEN. Select. Deep rose-pink, darker than Rosy Morn, with inconspicuous white throat. Unfading in hot sun, a favorite. 1/16 oz., 75c; pkt., 25c.

4008 TOPAZ QUEEN. Its scarlet-rose coloring is deeper and richer than Celestial Rose, and does not fade in the sun. Its habit is uniformly compact, flowers larger and borne freely throughout the summer. It is especially recommended for locations where the hot sunshine tends to pale the color of other varieties. Pkt., 25c.

3990 VIOLET QUEEN (Improved Blue Bird). Rich violet, compact and dwarf, best strain. Pkt., 25c.

4010 SILVER MEDAL. See Novelties. Pkt., 50c.

4020 SNOWBALL. Finest white in the dwarf, small flowered class. Flowers are relatively large and cover the compact plants. Pure white, satin texture. Pkt., 25c.

4030 STARRED MIXTURE. Includes all varieties in which a star of a contrasting color appears in the flower. Pkt., 25c.

BALCONY TYPE 18—24 IN.

Single large flowering of trailing habit especially suited to window boxes. Colors are distinctively lovely.

4037 BALCONY BLACK PRINCE. Dark rich crimson.

4036 BALCONY BLUE. Rich blue.

4034 BALCONY RED.

4038 BALCONY ROYAL ROSE. A new color in this class, clear, warm rose; flowers much larger, growth more vigorous. Excellent for border planting because of its spreading growth.

4035 BALCONY WHITE.

Each of the above, pkt., 25c; any 3 for 65c.

4042 BALCONY MIXED. 1/16 oz., 60c; pkt., 25c.

4025 VAUGHAN'S SPECIAL MIXTURE OF DWARF SMALL FLOWERING VARIETIES includes all the varieties listed and many others, and will be a revelation to those who plant a packet, in furnishing an unending supply of flowers in a most bewildering combination of colors. ¼ oz., $1.25; ⅛ oz., 75c; pkt., 25c.

SOWING FINE SEEDS

One garden enthusiast mixes her fine seeds, such as Petunia, Poppy, etc., with ten times their bulk of dry sand, puts them into a salt shaker and sifts them over the beds or borders firming them with a board. A very practical idea. Try it!

3932 **PETUNIA** All Double America. Pkt., **50c.**

ALL DOUBLE DWARF SINGLE SMALL FLOWERING

3932 AMERICA. 1 ft. First All-double produced in America. Flowers of carnation form and size, 100% double, are borne on trim, compact plants, with small leaves free from sticky sap. Flowers average 2¼ inches. Pkt., (100 seeds), 50c; 1,000 seeds, $3.50.

3935 ALL DOUBLE ROSE MARIE. 18 in. The dwarf compact plants are profuse blooming and the delightful rose pink flowers grow 3 in. and more across. Wonderful for beds and borders. Lovely cut flowers. Pkt., (100 seeds) $1.00.

3997 **PETUNIA** Fire Chief. Pkt., **25c.**

4025 **VAUGHAN'S** Special Mixture of Dwarf Small Flowering Petunias. Pkt., **25c.**

3894 **PANSIES** Vaughan's Super Swiss Giant Mixed. Pkt., **35c.**

3894 VAUGHAN'S SUPER SWISS GIANT MIXTURE. The flowers are gigantic size, perfectly round, fine substance of flower and good form of plant, and exhibit shades previously unknown in this family. They bloom early in the spring, continuing in flower all summer until late in fall. 1/16 oz., $1.25; 1/8 oz., $2.40; pkt **35c**

PANSIES have long been a specialty with us. We introduced the Swiss Giants to American gardens and named and introduced in this country the lovely Canadian Maple Leaf strain. Leaflet on pansy culture will be supplied if requested on order. Seeds germinate in 10 days.

3840 TRIMARDEAU MIXTURE. It has a complete color range, of older varieties. 1/8 oz., $1.25; pkt., 15c.

3881 ENGELMANN'S GIANT. A special strain selected and developed by an English grower. The plants are dwarf and compact and the huge flowers, in many dark and light tones appear early. Pkt., 50c

3865 GIANT SPRING BEAUTY. An exceptionally early flowering strain of unique upright habit. The strong stems grow erect, branching as they grow, each branch bearing a flower until the stems reach a height of 7 to 9 inches. These long stems require no support, provide excellent cut flowers, and give an unusual and charming effect in the garden. The colors are remarkably varied, including many combinations of blue and yellow. Pkt., 35c.

3891 **PANSY** Swiss Blue (Ullswater). Pkt., **25c.**

Giant Pansies

Culture: A, B or C, Page 50

GIANT SWISS VARIETIES

3892 ALPENGLOW. Rich wine-red shades. Pkt., 25c.

3896 BERNA. Dark violet blue. Pkt., 25c.

3891 BLUE (Ullswater) (Thuner Sea). Deep blue flower with blue-black blotches. Pkt., 25c.

3820 CORONATION GOLD. The largest pure gold self. Pkt., 50c.

3897 DELFT BLUE. A delightful tone of translucent blue. Pkt., 25c

3862 FIRE BEACON. Bright wallflower red with a touch of orange. Pkt., 50c.

3899 MONCH. Pure yellow, blooming early. Pkt., 50c.

3900 PURE WHITE. Pkt., 50c.

3893 YELLOW (RHEINGOLD). Rich yellow with blotches on the three lower petals. Pkt., 25c.

3902 SWISS PANSY COLLECTION. 1 Pkt. each of above 9 varieties, regular value $3.25 for $2.75.

3901 SWISS RASPBERRY ROSE. See novelties Pkt., 50c

3898 SWISS GIANT ORANGE. A perfectly round flower with overlapping petals of good substance. Color is a vivid orange, the upper petals carrying a halo of golden yellow, lower deep orange. Pkt., 50c.

3903 VAUGHAN'S DWARF SUPER SWISS MIXED. For those who desire plants dwarfer than the original type, we have had our grower make this selection. The colors are the same but the plants lower and more compact. Pkt., 35c.

Ricinus (Castor Bean)

Culture: A or B, D or E, Page 50

Giant, strong growing plants, with ornamental foliage. These plants are reputed to drive away moles from a garden. Seeds germinate in 15 days

4544 BORBONIENSIS ARBOREUS. 15 ft. Immense plants with green foliage. Pkt., 10c.

4546 CRIMSON SPIRE. 6 ft. Large purplish leaves changing to bronzy green. Stems, stalks and veins are rich red; seed spikes and seed pods are brilliant crimson. Most showy. 1/2 oz., 30c; pkt. 10c.

4570 MIXED. Many sorts. 1 oz., 50c; pkt., 10c.

4560 ZANZIBAR MIXED. 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2½ to 4 ft. across. Each plant a perfect pyramid. Oz., 50c; pkt., 10c.

PERIWINKLE—See Vinca.

SPECIAL MIXTURES

3794 VAUGHAN'S SUPER MAPLE LEAF GIANT MIXTURE (Canadian Giants). The leaves are of giant size and flowers up to 4 inches across, of wonderful substance and fine form. Many charming colors. 1/16 oz., $1.50; 1/8 oz., $2.50. Pkt., 50c

3875 VAUGHAN'S GIANT MIXTURE. This mixture contains all the self-colors, such as white, yellow, blue, purple, red, bronze, etc. All the flowers are of the Giant type and of good shape and texture. 1/8 oz., $1.50; pkt., 25c

4560 **RICINUS** Zanzibar Mixed. Pkt., **10c.**

I planted your Scotch Violas last year and never have I seen lovelier blossoms than they were. They are large in size and truly beautiful in coloring.

L. W. Butler, Missouri.

Phlox, the Gayest Annual

4220 **PHLOX** Vaughan's Special Mixture. Pkt., **25c.**

4220 PHLOX, DRUMMONDI Vaughan's Special Annual Mixture. Contains all the Grandiflora varieties listed here and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. ¼ oz., $1.50; ⅛ oz., 80c; pkt. **25c**

Culture: A or B, D or E, Page 50

For a brilliant display, plant Vaughan's Special Mixture. Seed may be sown in the open as soon as frost danger has passed. Sow where the plants are to flower as they do not like to be transplanted. 12 inch. Seeds germinate in 20 days.

4175 CUSPIDATA OR STAR MIXED. Quaint and unusual flower formation. Pkt., 25c

PHLOX VAUGHAN'S BEAUTY. For a complete listing in colors and mixture, see Novelties

Giant Phlox

4104A GIGANTEA RED GLORY. The richest bright red with contrasting white eye. A vivid color, like that of the annual Crimson Flax (Linum.) Pkt., 25c.

4104 GIGANTEA SALMON GLORY. Florets measuring 1½ inches of pure salmon pink. They not only register well in border clumps and bedding masses, but are useful cut flowers all summer. Pkt., 20c

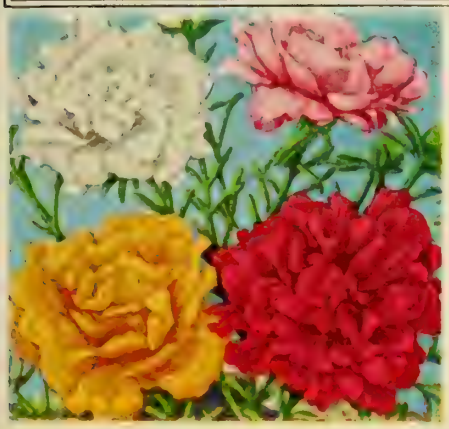
4105 GIGANTEA MELLOW MOON. 1 ft. A soft pastel tint of yellow that will harmonize with most colors to be found in home gardens. Florets are 1¼ to 1½ inches in diameter, grouped in large clusters on well formed plants. Pkt., 25c

4103 GIGANTEA ART SHADES. A strain with flowers 1½ inches in diameter, in a remarkable variety of soft color tones, which blend delightfully. Pkt., 25c

PHLOX TETRA

4225 TETRA RED. 20 in. Plants are vigorous, well-branched, and bear profusely very large trusses of delicately scented, deep red flowers, 1¼ in. across. Makes a fine showing in beds or borders; extremely long lasting as cutflower. Pkt., 35c

4226 TETRA SALMON. 1 ft. Florets, borne in clusters of 10 or more, are immense, up to 1¾ in. across, a clear light salmon-pink in pleasing contrast to a creamy-white eye. Highly desirable for mass effect or to combine with blue, lavender, white or deep red. Pkt., 50c



4455 **PORTULACA** Double Best Mixed. **15c**

4430 **PORTULACA** Single Mixed. Pkt., **10c.**

Portulaca

Culture: A, D, Page 50

MOSS ROSE FOR HOT, DRY PLACES

Portulaca makes a brilliant carpet for a sunny, dry spot. Flowers like little Roses. In sowing, mix the seed with many times its bulk in dry sand. Sow when ground is warmed. Seeds germinate in 20 days

LARGE FLOWERING SINGLE

4426 JEWEL. See Novelty Pages. Pkt., 25c.

4430 SINGLE MIXED. Oz., $3.00; ¼ oz., 90c; ⅛ oz., 50c; pkt., 10c.

LARGE FLOWERING DOUBLE

4455 DOUBLE BEST MIXTURE. Improved strain which comes 100% double, with larger flowers, and an exceptional range of color, including new tones of red, orange, lavender and yellow. ¼ oz., $1.25; ⅛ oz., 75c; pkt., 15c.

4865 **STOCKS,** Dwarf Double Ten Weeks, Best Mixed. Pkt., **10c.**

Colorful Stocks

Culture: A or B, D or E, Page 50

STURDY flower spikes covered with rosette blossoms in soft colors of an exceptional tone range. Stocks require a rich soil of a sandy, well manured loam. Only 60 per cent will come double. Sow seed early in the house and transplant outside when all danger of frost is over. A cool temperature crop

BISMARCK OR GIANT IMPERIAL

If sufficient room is given, the plants form magnificent bushes with long and thick flower stalks. 2½ ft

4949 BISMARCK MIXED. ⅛ oz., 75c; pkt., 15c

DWARF LARGE-FLOWERING DOUBLE TEN WEEKS STOCK 12 IN.

4865 BEST MIXED. ⅛ oz., 50c; pkt., 10c.

STOCKS COLUMN NON-BRANCHING. See page 49.

Culture: A, D or E, Page 50

DOUBLE PURPOSE RUNNER BEANS

4766 SCARLET EMPEROR. Runner beans serve a double purpose—they provide both flowers and food. Some persons do not realize that these beans are good to eat, yet in England they are grown by the acre by market gardeners for their city trade. Pkt., 15c.

Alpine Runnerless Strawberry

4828 BARON SOLEMACHER. This wonderful novelty has the largest berries in this strain. It makes no runners; flowers in eight weeks and produces quantities of fruit. Wash the berries, sprinkle with sugar several hours before using. The berries will almost float in juice. This brings out the flavor. Pkt., 25c.

4829 BARON SOLEMACHER YELLOW FRUITED. A counterpart of the above, but golden, and of even finer flavor. Pkt., 25c.

5641 TIGRIDIA. See page 49.

4630 **SALPIGLOSSIS** Vaughan's Special Mixture. Pkt., **15c.**

Gold-veined Salpiglossis

Culture: A or B, Page 50

ONE of the easiest of annuals to grow, the Salpiglossis is rich in deep color tones rare in the floral world, which are set off by veins of gold, marking every flower so noted. Its blossoms, similar in shape to a Petunia, on strong stems are borne profusely until frosts kill the plants. 30 inches. Seeds germinate in 8 days.

4625 EMPEROR MIXED. Large improved strain. Complete range of colors. ⅛ oz., 25c; pkt., 10c

4615 GLOXINIAEFLORA MIXED. A special selection of the Painted Tube Tongue. Flowers large and fancifully veined in contrasting colors. Pkt., 10c.

4630 VAUGHAN'S SPECIAL MIXTURE. This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable. ⅛ oz., 30c; pkt., 15c.

4620 DWARF GIANT FLOWERED SALPIGLOSSIS. See Novelties. Pkt., 20c

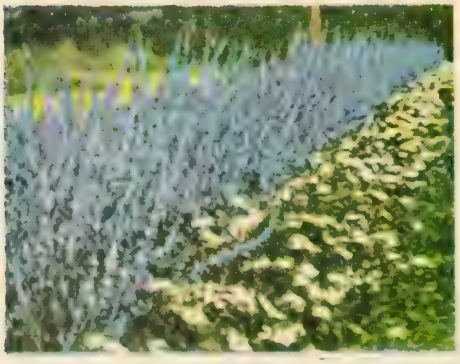
Tahoka Daisy, 20"

Culture: A or B, D or E, Page 50

5635 A beautiful lavender-blue Daisy with fern-likefoliage,carried on good long stems. Flowers are tinted with rose as they fade, center deep yellow. Under open ground culture the plants are in bloom by middle of June and flower until October. Excellent for cutting. To get an even and quick germination, keepseedinrefrigerator two weeks. Pkt. 25c.

5635 **TAHOKA** Daisy. Pkt., **25c.**

4640 **SALVIA SPLENDENS** America, Pkt., **25c.**



4683 **SALVIA Farinacea** Blue Bedder (in Background). Pkt., **20c.**

5770 **VINCA White** (in Foreground). Pkt., **10c.**

Salvias

Culture: D or E, A or B, Page 50

The brilliant scarlet Salvia Splendens, so highly valued in summer beds, borders, window boxes and as cut flowers, is by no means the only worthy member of this family. Wedgwood blue Salvia Farinacea Blue Bedder is increasingly popular in summer borders. Seeds germinate in 15–20 days.

SPLENDENS TYPE

4640 AMERICA, OR GLOBE OF FIRE. 16 in. Freest and most continuous bloomer; also the most uniform in habit, which makes it particularly valuable for bedding or ribbon planting. Pkt., 25c.

4646 BLAZE OF FIRE. 12 in. Earliest of all. The compact plants are mounds of brilliant scarlet, starting to bloom when only a few inches tall and continuing in bloom until late fall. Pkt., 25c.

4642 BRIGHTNESS. See Novelties. Pkt., 25c.

4655 CLARA BEDMAN OR BONFIRE. 2 ft. The spikes grow erect above the foliage forming handsome globular bushes. ⅛ oz., $1.00; pkt., 25c.

4656 ROSE FLAME. See novelties. Pkt., 25c

4667 VAUGHAN'S MASTERPIECE. 18 in. The finest dwarf extra early flowering variety. Massive scarlet spikes; even compact habit. Pkt., 25c.

OTHER SALVIAS

Culture: A or B, D or E, Page 50

4683 FARINACEA BLUE BEDDER. 2½–3 ft. A true Wedgwood blue. It makes a splendid background for all other colors in the border, and can be dried as an Everlasting. Is especially handsome when grown behind a line of pink Petunias. Pkt., 20c.

See also Perennial Pages.

SCHIZANTHUS. See page 49.

4825 THE SOUTHERN STAR. See Novelties. Pkt., 25c.

Statice

(For Winter Bouquets)

Culture: D or E, Page 50

Our annual Statice is not only a beautiful flower in the border, but dries retaining its true colors, and is indispensable in making winter bouquets. Seeds germinate in 30 days.

4795 RUSSIAN (Suworowii or Rat Tail). 30 in. Flowers bright-rose color. Pkt., 10c

4806 SINUATA NEW HYBRIDS. 30 in. Art Shades, in a mixture for the garden and winter bouquets. Pkt., 15c

4807 —MARKET ROSE. 3 ft. Deeper and brighter rose than others, with longer stems. Pkt., 15c.

5645 **TORENIA FOURNIERI.** Pkt., **15c.**

Torenia (Wishbone Flower)

Culture: D or E, A or B, Page 50

5645 FOURNIERI. Bushy globular plants literally covered with the lovely, richly-colored Snapdragon-like flowers of a delightful sky-blue with a touch of gold on the lip. Likes a damp soil. 1 ft. Seeds germinate in 15 days. Pkt., 15c.

Thunbergia

5640 ALATA, MIXED. (Black-eyed Susan). A lovely plant with large showy flowers, forming a dense mat of foliage and flowers. Colors range through yellow, orange, buff, to pure white, mostly with jet-black centers. Pkt., 10c

5644 TITHONIA TORCH. See Novelties. Pkt., 25c

Annual Sunflowers

Helianthus Large Flowered

Seeds germinate in 15 days

Culture: A or B, D or E, Page 50

2700 GAILLARDIA-FLOWERED OR RED SUNFLOWER. 4 to 8 ft. Some flowers of a rich chestnut-red, others tipped with yellow. Pkt., 10c

2717 SILVER GOLD. 4 ft. An interesting new type with silvery-green foliage. A profuse bloomer, with large golden flowers 3 inches in diameter, on long stems. Excellent for cutting and background. 25c

2713 SUN GOLD. 4 ft. Fully double flowers burst into bloom on the same day, 70 days after sowing. Pkt., 15c

2725 RUSSIAN MAMMOTH. 8 ft. Single, of gigantic dimensions. The Kansas Sunflower. Lb., 40c; ½ lb., 30c; ¼ lb., 20c; 1 oz., 10c

2760 VAUGHAN'S SPECIAL MIXTURE. Includes all the single and double Sunflowers above and others. ½ oz., 25c; pkt., 10c

New Type Scabiosas

Culture: A or B, D or E, Page 50

Sweet Scabiosas have a soft fragrance and add beauty to the garden picture. They are fast growing annuals and among the most important cut flowers. Blooms on long, slender stems, which are exceedingly graceful; known as the Pincushion Flower because the stamens of some varieties are light in color and stick out so that they resemble pins stuck in a cushion. Seeds germinate in 20 days.

Super Crown Imperial Giant

4735 VAUGHAN'S SUPER CROWN IMPERIAL GIANT MIXED. An entirely new strain of this lovely flower. Larger than older kinds, the globular blossoms 2½ to 3 inches across, are fully double, entirely eliminating the "pin cushion" center of older types, and displaying the full beauty of their broad, wavy petals. The colors are soft and pleasing, in a complete range from white, salmon, coral rose and red to various tones of blue. Plants stand 3 feet tall, and the flowers are borne erect on tall stems, making excellent cut flowers, as well as presenting an attractive garden display. Pkt., 25c.

COCKADE TYPE 3 FT.

Has conical form with attractive depth of flower.

4703 BLUE COCKADE. Pure deep azure. Pkt., 20c.

DOUBLE LARGE FLOWERING 3 FT. SPECIAL STRAIN

4714 AGERATUM OR AMETHYST BLUE.

4715 AZURE FAIRY. Azure blue.

4725 BLACK PRINCE. Almost black purple.

4720 CHERRY RED. Crimson.

4727 LOVELINESS. Salmon rose shades.

4722 OXFORD BLUE. 3 ft. A deep, rich campanula blue, far deeper than Ageratum Blue or Blue Moon, larger than any other variety to date. Pkt., 25c.

4729 PEACHBLOSSOM. Peachblossom pink.

4732 ROSETTE. Deep rose suffused salmon.

4734 SALMON BEAUTY. Pure salmon.

4728 SHASTA IMPROVED. Enormous white.

Each of above, except where noted otherwise, pkt., 15c; 3 pkts. for 40c.

4737 VAUGHAN'S MIXTURE OF SUPER-SCABIOSA. The above and other charming varieties. ¼ oz., 60c; pkt., 25c.

DOUBLE SEMI-DWARF VARIETIES

4744 HEAVENLY BLUE. A lovely azure-blue very early. Plants are dwarf, 18 in. bushy, suitable for bedding. Pkt., 25c.

4738 PEACE. Flowers are 2 in. across. Perfect form almost spherical; pure white. The sturdy vigorous plants grow 2 ft. tall. Flowers are beautiful in a light blue container. Pkt., 25c.

4743 DWARF DOUBLE MIXED. 1½ ft. Various colors. Do not require staking and are desirable for planting in front of the taller sorts. ⅛ oz., 35c; pkt., 10c.

See also Perennial Pages

4735 **SCABIOSA Super Crown Imperial** Giant Mixed. Pkt., **25c.**

5265 **CUTHBERTSON** Sweet Peas, Mixture. Pkt., **20c.**

SPENCER SWEET PEAS GIANT RUFFLED

Distinguished by the unusual duplexness and extra frilliness of the flowers. This gives a double appearance to the large, waved and ruffled flowers which makes them so distinct and so attractive.

5622 RUFFLED MIXED. An outstanding mixture, including blue, cream, rose, salmon and white, all extra large, prettily ruffled and frilled. Oz., 35c; pkt., 10c.

COLLECTION NO. 5600. One Packet Each, Sweet Peas, Early Flowering Spencer, **Fragrant Varieties** Amethyst, Apollo, Blue Bird, Fragrance, Gardenia, Giant Rose, Harmony, Laddie Improved, Mrs. Herbert Hoover and White Harmony. 75c.

Sweet Peas that Flower in Hot Weather

CUTHBERTSON SWEET PEAS. The fact that they continue blooming long after hot weather comes, and other sweet peas have died, is not the only merit of this spendid strain. They are the true Spencer, orchid flowering type, and have exceptional vigor. Their colors are bright and clear, stems long, flowers large and deliciously fragrant.

5251 CAROL. Clear pink, white ground

5252 COLINE. Scarlet.

5253 DAVID. Bright rose crimson

5255 EVELYN. Salmon cream pink

5263 FRANCES. Clear salmon pink on white ground.

5256 FRANK G. Rosy lavender

5258 JANET. Black seeded white

5259 JESSIE. Mauve

5268 JIMMY. Deep scarlet, long stemmed, fragrant.

5261 LOIS. Rose pink, white ground

5266 MARION. Black seeded cream

5262 TOMMY. Clear medium blue

5267 WILLAM. Picotee rose pink on white background

Each of the above, pkt., 20c.

5265 MIXED. A brilliant well-balanced blend. Pkt., 20c; ½ oz., 65c; oz., $1.00.

EARLY SPENCER SWEET PEAS

Special Culture on Packet

For better results, Sweet Pea seed should be inoculated with nitrogen before planting. Garden size packet, 15c.

The two older strains of Spencer Sweet Peas offered below have been superseded in sections having a short spring and hot summer months. The Early Spencers are recommended for all sections where Spring is late as they flower before the summer heat arrives.

5595 VAUGHAN'S SPECIAL MIXTURE, EARLY FLOWERING SPENCERS. A Formula-blend made from named sorts, including the most fragrant varieties. 4 oz., $1.50; 2 oz., 90c; oz., 50c; pkt., 15c.

5320 VAUGHAN'S SPECIAL MIXTURE, LATE SPENCER. Named late flowering Spencer varieties growing wonderful blossoms for a long period. ¼ lb., 60c; oz., 25c; pkt., 15c.

4731 **SCABIOSA BLUE MOON.** Pkt., **15c.**

4731 SCABIOSA BLUE MOON. 4 ft. Large blossoms of conical shape of sky-blue tinged with lavender, borne on long strong stems. Ideal for cutting. Pkt., 15c.

Wallflower

Culture: D or E, Page 50

Wallflowers excel in fragrance and rich reds and yellows. In the North, winter in cold frames. They are half-hardy perennials.

5835 SINGLE ANNUAL MIXED. 18 in. Pkt., 10c.

WINDOW BOX MIXTURE

5844 ANNUALS FOR WINDOW OR PORCH BOX IN MIXTURE. A charming selection of quick growing annuals including both compact and trailing types with brilliant colors and long flowering season. Pkt., 20c.

On Page 50 will be found complete instructions for growing flowers from seed. Note time required for germination, as given for each subject; also specific references to paragraphs on Page 50.

5716 **ROSELIGHT.** Pkt., **25c.** 5715 **STARLIGHT.** Pkt., **25c.** 5725 **FIRELIGHT.** Pkt., **25c.**

Verbenas

Culture: D or E, A or B, Page 50

These colorful annuals originated as desert plants, and thrive in the sun, flowering continuously. They make gay garden beds, and bouquets. Do not sow the seed outdoors until the soil gets warm (May 15th to June 1st). May also be started earlier indoors to advantage. Grow only 6 to 12 inches tall but spread to 2 feet across. Seeds germinate in 8 days.

HYBRIDA GIGANTEA 1 FT.

A magnificent strain of robust habit, the individual florets measuring an inch in diameter.

5701 GIGANTEA ALBA. Pure white. Very fragrant.
5700 —ANNAPOLIS BLUE. A giant bearing large trusses of flowers of light to mid-blue blending in effect to deep Belladonna blue.
5701A —ETNA. Geranium-red, with a cream eye.
5718 —LAVENDER GLORY. A true lavender with a medium-sized creamy white eye. The color runs about 80% true. It is also distinctly fragrant.
5703 —LUCIFER. Vivid scarlet self.
5704 —LUMINOSA. Luminous flame-pink to salmon.
5706 —ROSEA STELLATA. Pink, white eye.
5719 —ROYALE. Royal blue, creamy yellow eye.
5721 —SALMON KING. See Novelties. Pkt., 25c
5710 —SPECTRUM RED. Intense bright red.
5707 —VIOLACEA STELLATA. Deep violet, white eye.
5720 —VIVID. See Novelties. Pkt., 25c.

Each of the above, except as noted, pkt., 15c; any three pkts. for 35c.

5708 GIGANTEA MIXED. A wonderful mixture of large flowering varieties. Pkt., 15c.
5711 BEAUTY OF OXFORD HYBRIDS. A giant strain. Color rose-pink to rose-red, the brightest produced from seed. Florets cover a silver half dollar. Pkt., 15c.
5713 ROYAL BOUQUET, FINEST MIXED. Upright, large flowers, auricula eyed, brilliant mixed, especially good for pot culture. Pkt., 15c.
5744 DWARF VAUGHAN'S SPECIAL MIXTURE. 6 in. A formula mixture of dwarf compact varieties of all colors, giving a brilliant effect in mass planting. Excellent for front yard plantings. Pkt., 25c.

5775 **VINCA ROSEA (Periwinkle).** Mixed Pkt., **10c.**

5697 VERBENA COLLECTION.
1 pkt. each: 5706 Rosea Stellata, 5718 Lavender Glory, 5701A Etna; Value 45c for 35c.

BUSH TYPE

Plants are of uniform bushy habit about 8 to 10 in. high and 12 to 15 in. across, with flower heads practically touching each other. Most suitable for borders.

5725 FIRELIGHT. See Novelties. Pkt., 25c.
5714 GIANT SALMON QUEEN. 8–10 in. Its unique habit of growth makes it outstanding. The plants form compact flat-topped bushes. The large flower heads are bright salmon-pink, white eye. Pkt., 25c.
5724 SNOW WHITE. See Novelties. Pkt., 25c
5715 STARLIGHT. 10 in. A bright mid-blue with white eye. Plants of uniform bushy habit with flower heads touching each other. Pkt., 25c.
5716 ROSELIGHT. A bright rose-pink with white eye giving a color effect similar to the popular Rosy Morn Petunia. Profusely blooming and of uniform erect bushy habit. Pkt., 25c.
5726 MIXED. A balanced mixture which includes the above and special selections from the introducer's breeding grounds. Pkt., 25c.

5730 VERBENA Vaughan's Best Mixture. Includes all the Hybrida and Gigantea sorts and other sorts not listed and we feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout the summer. ⅛ oz., 50c; large pkt., 25c; pkt., 15c.

5847 **WILD CUCUMBER VINE.** Oz., **60c;** Pkt., **15c.**

Wild Cucumber

5847 Quickest growing climber in our list. It is thickly dotted with white fragrant flowers, followed by an abundance of ornamental prickly seed pods. Sown on banks it will act as soil binder. The vines will soon cover a fence. Oz., 60c; ½ oz., 35c; pkt., 15c

Vinca Rosea

(Periwinkle)

Culture: D or E, Page 50

Culture. Sow seed after last frost in open ground and thin to 1 foot apart or sow inside and transplant after all danger of frost is over. Seeds germinate in 10 days
5775 MIXED. Pkt., 10c. **5770 WHITE.** Pkt., 10c.

Hardy Violas

Culture: A or B, Page 50

BECAUSE of their free flowering habit and long season of bloom, Violas are becoming rapidly more popular for use in the foreground of the border, in small beds, and in rockeries, where their dwarf spreading habit is welcomed. They continue flowering all summer. Seeds germinate in 10 days.

8582 **VIOLA SUPER LARGE FLOWERING SCOTCH.** Pkt., **25c.**

SCOTCH VIOLAS CHOICEST OF ALL

8582 SUPER LARGE FLOWERING SCOTCH. Preferred by specialists, Scotch Violas are much larger than Jersey Gem type, all two-toned in lovely clear colors without blotches. In continuous bloom under good culture; sturdy compact growth, outstanding bedding material. Pkt., 25c

CORNUTA TYPE—10 IN.

5785 ADMIRATION. Violet-blue. Pkt., 15c.
5790 BLUE PERFECTION. Light blue. Pkt., 15c.
5789A BLUE BEAUTY. Bright blue. Pkt., 15c.
5804 CHANTREYLAND. Apricot. Pkt., 25c.
5802A KING HENRY (Purple King). A deep purple violet with yellow eye. Pkt., 25c.
5796 JERSEY GEM. Flowers of rich pure violet, large, fragrant, flowering all summer. Pkt., 25c.
5792 PUCK. Upper petals purple velvet, lower clear yellow. Pkt., 25c.
5806 WHITE PERFECTION. Finest, white. Pkt., 15c
5795 NOSEGAY. A blend of bright gay colors, red yellow, blue and apricot, combined with many blotched combinations. Pkt., 25c.

CORNUTA HYBRIDA (LARGE FLOWERS)

5787 ARKWRIGHT RUBY. Bright ruby crimson shaded terra-cotta; fragrant. Pkt., 25c.
5790A CHINESE BLUE. A round-faced type. According to the Royal Horticultural Chart, is French Blue. It is the nearest substitute to the famous Viola Maggie Mott. Pkt., 25c.

MISCELLANEOUS VIOLAS

5797 JOHNNY-JUMP-UP OR VIOLA TRICOLOR. Also known as "Ladies' Delight" and "None so Pretty." They are more hardy than others and if allowed to seed will carpet a Rose or Iris bed with a mass of flowers early in May. They bloom all season. Purple blue and yellow are the three colors that give them their name. Pkt., 25c.
5798 LUTEA SPLENDENS. 8 in. Bright yellow. 10c.
5811A NIGRA OR BLACK IMP. Quaint little flowers that might have been snipped from black velvet, come true from seed. May be naturalized effectively. Blooms quickly first year from seed. Pkt., 25c.
5805 YELLOW GEM. Free flowering clear yellow of compact habit. Pkt., 20c.

5813 VIOLA Vaughan's Special Mixture. A charming and delightful mixture of these bright and everblooming Violas in a complete color range, from pale lavender to rich purple-black, yellow, white, terra-cotta, apricot and rose. Pkt., 25c

Look for time required for seed to germinate as given for each flower, also for specific references to the cultural instructions on Page 50.

Decorative Zinnias

Midget Zinnias

6126 VAUGHAN'S MIXTURE OF MIDGET ZINNIAS. (Mexicana Type). Includes more than fifteen varieties, all delightful, charming in the garden and of just the size to make attractive table arrangements. Many of your friends will never recognize them as Zinnias. ⅛ oz., 50c; pkt., 15c

Midget Strains

6127 LINEARIS. 10 in. The flowers, with a single row of petals, are one and one-fourth inches in diameter. Early flowering. Pkt., 15c.

6172 NAVAJO MIXED. 18 in. Flowers abundant, of medium size, scarlet, orange and other hues suggesting Navajo Indian decorations. Pkt., 15c.

Scabiosa Flowered

6159 MIXED. 2½ ft. on a single corona of outside petals stands a crown of small florets similar in form to the flowers of the Scabiosa. Only a certain percent will be true to name. ¼ oz., 60c; pkt., 15c; 3 pkts., 40c.

6173 VAUGHAN'S NOVELTY MIXTURE. All the new types of Zinnias such as Fantasy, Navajo, Striped and others, which are rich in color combinations and unusual forms of high decorative value, which make them valuable for cut flowers. All have small or medium flowers and are suitable for low bowl arrangements. They also give excellent border effect in the garden. Pkt., 25c; 3 pkts., 65c.

Cupid Type. The smallest of all. 1 ft. Compact plants of bushy habit. Each upright stem bears a flower 1 in. in diameter. Ideal for cutting and for use in miniature vases.

6025 CUPID MIXED. ⅛ oz., 35c; pkt., 10c.

5910 **ZINNIA FANTASY MELODY.** Pkt., 25c.

Culture: A or B, D or E, Page 50

THEY bloom in much greater profusion than the larger types, standing well out above the foliage and registering as a color mass in the picture. They are also excellent for pot plants and cut flowers. Seeds germinate in 5–7 days.

Cut-and-Come Again

PUMILA DOUBLE

These bushy plants with their wealth of bloom are showy garden subjects as edgings or in mass plantings. The more they are cut, the more they bloom.

6080 SNOW BALL. **6095 FIRE BALL.**

6097 PINKIE. Rose-pink. **6085 GOLDEN BALL.**

6098 SPUN GOLD. A delicate butter-yellow or deep primrose, fine form.

6100 WATERMELON PINK. A very pleasing and charming shade of salmon-rose.

Each of the above, pkt., 10c; 3 pkts. for 25c.

6105 PUMILA VAUGHAN'S SPECIAL MIXED. Oz., $1.25; ¼ oz., 35c; pkt., 15c.

6099 SUNSHINE TINTS. New rich pastel shades. Fine for cutting or for borders. Flowers average 2 in. across and plants are about 18 in. tall. Pkt., 15c.

A Favorite Border Plant

6110 RED RIDING HOOD. 1 ft. Of compact form, covered the entire season with double scarlet flowers not over an inch across; as a border plant it is highly effective. Oz., $1.50; ¼ oz., 50c; ⅛ oz., 30c; pkt., 10c.

Fantasy Type

2½ ft. shaggy, ray-like petals, like Cactus Dahlia.

5910 MELODY. A rich soft orchid lavender; the medium sized flowers have finely curled and twisted petals, light and dainty in appearance. Free blooming, coming into flower early and giving continuous bloom through the summer months. Pkt., 25c.

5912 ORANGE LADY. Bright deep orange

5911 ROSALIE. Intense rose.

5909 STAR DUST. Deep golden yellow

5913 WHITE LIGHT. Pure white.

5914 WILDFIRE. Rich dazzling scarlet

Each of the above, except as noted, pkt., 15c; 2 pkts. for 25c.

5908 MIXED. A bright colorful mixture of shaggy petaled double flowers. ¼ oz., 60c., pkt., 15c

6124 MEXICANA DOUBLE GOLDEN YELLOW. See Novelties. Pkt., 25c

6180 PEPPERMINT STICK MIXED. See Novelties. Pkt., 25c.

Giants of New Race

5891 ZINNIA DAVID BURPEE. 4 ft. This is a distinct strain of giant flowers, which is full of surprises, all of a pleasant nature. While giant flowers of the shaggy Fantasy type are most numerous, other forms are frequent; and colors include cream, chamois, buff, rose, burnt-orange, terra cotta, apricot and some two-toned. All are interesting, some exciting; a "surprise garden mixture" all by itself. Plants grow vigorously and flowers have long, wiry stems. Pkt., 15c

5857 FLORADALE SCARLET. See Novelties. Pkt., 25c.

5903 ZINNIA LUTHER BURBANK. 4 ft. Of delicate pastel or art tints including cream, salmon, rose, blush pink. Flowers grow 5 in. across and petals curl back to form thick flower heads 2 to 3 in. deep. Pkt., 25c

6075 **ZINNIA** Lilliput, Vaughan's Special Mixed. Pkt., **15c.**

Lilliput Zinnias

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers. They bloom all summer. 12 to 15 in.

6071 BLACK RUBY. Rich deep maroon.

6052 BRIGHT PINK. **6064 PURPLE.**

6073 CANARY YELLOW **6065 SALMON ROSE GEM.**

6061 CRIMSON GEM.

6066 SCARLET GEM.

6053 DAINTY GEM. Gay, bicolor rose flowers.

6062 GOLDEN ORANGE. **6067 WHITE GEM.**

6068 ROSE BUD. Rose-pink

6069 VALENCIA. A real deep burnt orange

Each of above, pkt., 10c; any 3 pkts., 25c.

6075 LILLIPUT VAUGHAN'S SPECIAL MIXED. All above and others. Oz., $1.50; ¼ oz., 50c; pkt., 15c.

6070 LILLIPUT PASTEL MIXTURE. 15 in. A carefully chosen mixture of pastel tints of yellow, pink, rose and orchid. They flower in 45 days. Pkt., 15c.

6050 TOM THUMB MIXTURE. See Novelties.

5891 **ZINNIA** David Burpee, Pkt., **15c.**

5893 ZINNIA VAUGHAN'S SPECIAL MIXTURE OF ALL TYPES. This is intended for the cutting garden, and includes all colors and types of Zinnias, large and small flowered, as well as Gaillardia flowered, Fantasy and other novelty strains. Most interesting combinations of form and color can be made in bowls and vases with flowers cut from a row of this mixture. Pkt., 25c.

6166 **ZINNIA** California Giant Rose Queen. Pkt., **15c.**

California Giants

They are larger than Colossal and a cross between that and the Dahlia Flowered types. They have smaller flat centers with petals more loosely placed. The petals are decidedly imbricated and the flower graceful. Grow 3 to 4 ft. tall.

6161 BRIGHTNESS. A bright, deep rose.
6164 CHERRY QUEEN. Brilliant cherry.
6162A CRIMSON QUEEN. Rich crimson.
6161A DAFFODIL. Canary yellow.
6162 ENCHANTRESS. Light rose, deep rose center.
6169 GOLDEN QUEEN. Golden yellow.
6146 GRENADIER. Bright dark red.
6168 ISABELLINA, cream. See novelties. Pkt., 25c.
6147 LAVENDER GEM. Rosy lavender.
6163 MISS WILMOTT. Soft pink
6151 ORANGE KING. Orange scarlet.
6153 PURITY. A clean pure white.
6166 ROSE QUEEN. Warm, deep rose.
6154 SALMON QUEEN. Salmon apricot
6165 SCARLET QUEEN. Glowing scarlet
6149 VIOLET QUEEN. Deep purple.

Each of the above, except as noted, pkt., 15c; any 4 pkts. for 50c.

ALL THE ABOVE AND OTHERS IN MIXTURE

6156 CALIFORNIA GIANTS, VAUGHAN'S SPECIAL MIXTURE. This is specially blended from a prepared formula to insure well balanced color harmony, and will make a gorgeous display in mass planting, in the cutting garden it insures an all-summer supply of flowers for bouquets. Oz $1.50; ¼ oz., 50c, pkt., 15c

6133 **ZINNIA** Crimson Monarch. Pkt., **15c.**

Dahlia Type Zinnias

6171 6 PACKETS, CATALOG VALUE 90c.
One each of Crimson Monarch, Polar Bear Illumination, Oriole, Royal Purple and Eldorado prepaid. **50c**

Zinnia seed should not be sown until the ground is warm. Seeds germinate in 7 days In fertilized soil and watered freely, flowers will be more completely double

GIANT DAHLIA FLOWERED ZINNIAS 2 TO 3 FT.

The broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other; the flowers often 4 inches in depth and 6 inches in diameter

6131 CANARY BIRD. Rich canary yellow.
6133 CRIMSON MONARCH. Rich crimson, largest and best of red shades.
6134 DREAM. A fine, deep rosy lavender. **6134A ELDORADO.** Salmon apricot.
6135 EXQUISITE. Color light rose with center a deep rose
6137 GOLDEN DAWN. Beautiful shade of golden-yellow
6136 GOLDEN STATE. A very rich, golden-orange Yellow in the bud, turning to an attractive orange when in full bloom
6130 ILLUMINATION. A striking self-color of deep rose
6130A LUMINOSA. Bright pink.
6142 METEOR. A rich glowing deep red, darkest of all red shades.
6138 ORIOLE. An immense orange and gold bicolor
6139 POLAR BEAR. A very large pure white, the best white.
6143 ROYAL PURPLE. A deep rich reddish purple
6141 SCARLET FLAME. Bright scarlet
6143A WILL ROGERS. Most beautiful scarlet red.
Each of above ..... **Any four pkts., 50c; pkt., 15c.**

6145 GIANT DAHLIA FLOWERED, GOLD MEDAL MIXED. All the above and others, including a bewildering variety of delightful colors, all giant flowers. Seeds germinate quickly in warm soil and flowers begin in a few weeks. A mass planting not only decorates the border, but the home as well. Oz., $1.50; ¼ oz., 50c; pkt. **15c**

5901 SUPER CROWN OF GOLD PASTEL TINTS. Strictly a mixture of pastel tints and contains a wide color range including soft yellow, old gold, light pink, apricot pink, various salmon shades, peach, and buff, lively cerise salmon as well as pure white and cream. All the flowers carry the deep golden yellow base of the Crown of Gold types and the individual color at the tip. Midway between Dahlia Flowered and California Giants as to type. Pkt., 25c.

All Giant Zinnia Mixture

6170 VAUGHAN'S SPECIAL MIXTURE OF ALL GIANT SORTS. This includes all giant varieties listed on this page and many others. All colors are represented. Planted in a mass, it will produce a display of vivid colors; in the cutting garden it will provide cut flowers of giant size and a full range of colors from July until killing frosts come in the fall. Oz., $2.00; ¼ oz., 60c, pkt. **25c**

Autumn Colors

6157 INDIAN SUMMER MIXTURE. This includes the warm bright colors of both Dahlia Flowered and California Giant Zinnia groups—the red, orange and bright yellow varieties in which the zinnia is rich. Pkt., 15c.

7073 **ANCHUSA** Myosotidiflora. Pkt., **35c.**

7197 **ARABIS** Alpina Rosea. Pkt., **35c.**

Vaughan's Perennial Flower Seeds

If sown in the early spring, perennial flowers will grow into sturdy plants by fall and if moved then to their permanent places they will give normal bloom the following summer. Some varieties will bloom in the fall of the year they are planted. To grow your own perennials from seed enables you to have an abundance of plants for small outlay, plus the knowledge that your skill and effort produced them.

Achillea (Yarrow)

Culture: D or E, Page 50

Achilleas grow readily from seed in sunny, well-drained positions. They are fine border flowers. Seeds germinate in 12 days

008 EUPATORIUM FILIPENDULA, PARKER'S VARIETY. 3 to 5 ft. June-Sept. Clear yellow flower-heads, may be dried for winter bouquets. Pkt., 15c.

010 THE PEARL. 2 ft. June to August. Pure white, double flowers, fine for cutting. Pkt., 15c

Aconitum (Monkshood)

Culture: C, Page 50

Aconitums need rich, acid soil and prefer shade. Seed may be sown in the fall, as it germinates in 20-30 days. They should not be moved when once established, and require a mulch in winter. The roots are poisonous

026 BARKER'S VARIETY. Flowers are amethyst blue, considerably darker than Wilsoni. Pkt., 25c.

020 NAPELLUS. 2½ ft. July-August. Fine rich blue flowers. Pkt., 25c.

025 WILSONI. 6-7 ft. Sept-Oct. Tall, autumn flowering, mauve, fine for cutting. Pkt., 15c.

Agrostemma

Culture: E, D or C, Page 50

048 CORONARIA ATRO-SANGUINEA. 1 to 2 ft. June-Sept. Attractive, free flowering, producing deep blood red flowers on long, slender stems like a single pink; blooms the first season; fine for cutting. Silvery foliage. Germinates in 20-30 days. Pkt., 10c.

Alyssum (Madwort)

Culture: B, D or E, Page 50

Seeds germinate in 5-10 days

054 ARGENTEUM. 1 ft. Dwarf, yellow flowers, leaves silvery underneath. Pkt., 10c

055 SAXATILE COMPACTUM (BASKET OF GOLD). 9 in. Almost as soon as winter is over it becomes a mass of yellow gold. Pkt., 15c

056 —COMPACTUM SULPHUREUM CITRINUM. Lovely pale lemon flowers. Very effective with lavender or pink Tulips. Pkt., 15c

057 ROCK GARDEN VARIETIES MIXED. Many rare species in mixture. Pkt., 15c

Columbine

(Aquilegia)

Culture: B, C, D or E, Page 50

ONE of the best-known and best-loved perennials. Dwarf varieties for the rock garden, tall varieties for the border and for cutting, all are easily grown from seed. They prefer light shade, and thrive in any fairly rich soil. Seeds germinate in 30 days

7150 MRS. SCOTT ELLIOTT'S STRAIN OF LONG-SPURRED HYBRIDS. The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc., with soft pastel tones dominating. Pkt., 25c

7055 **ALYSSUM,** Saxatile Compactum. Pkt., **15c.**

AQUILEGIA—Continued

7151 DOBBIE'S IMPERIAL HYBRIDS. A strain with large, long-spurred flowers in strong, brilliant tones of all colors. Pkt., 25c.

7160 CELESTIAL BLUE. Outstanding Scotch Strain. Large flower, long spurs. Petals rich blue, corolla and spurs lighter blue. Comes true from seed. Pkt., 25c.

7156 LONG-SPURRED CRIMSON STAR HYBRIDS. The brightest red Columbine, long spurs and outer petals, rich crimson, center petals white; about 10% will be other interesting bicolors. Three-inch flowers on 2-foot stems. Pkt., 25c.

7150 **AQUILEGIA,** Mrs. Scott Elliott's Strain. Pkt., **25c.**

AQUILEGIA—Continued

7158 LONG-SPURRED BLUE. Splendid selection from light to dark blue. Pkt., 35c

7157 LONG-SPURRED COPPER QUEEN. Lovely deep copper with long spurs of deeper hue. Pkt., 50c

7159 LONG-SPURRED ORANGE AND SCARLET. 35c

7119 ALPINA. Powder blue. 2 ft. April-July. Pkt., 15c

7125 CHRYSANTHA. 3 to 4 ft. May-August. Yellow, long spurred. Pkt., 15c

7126 —SILVER QUEEN. 3 ft. Long-spurred silvery white flowers. Pkt., 25c

7131 CLEMATIFLORA MIXED. Spurless with beautiful open flowers like Clematis. Contains all lovely pastel shades. Pkt., 25c

7140 COERULEA (Rocky Mountain Columbine). 1 to 2 ft. April-July. One of the most beautiful of native flowers. Sepals, deep blue; petals, white. Pkt., 10c

7141 COERULEA MRS. NICHOLLS. This is a glorified Rocky Mountain with larger flowers. Pkt., 50c.

7145 —ROSEA (Rose Queen). 2½ ft. Light to dark rose, white center. Pkt., 25c.

7165 JAETSCHAUI. See Novelties. Pkt., 25c

7143 LONGISSIMA. A beautiful American species having 4 inch spurs on flowers of a delicate pale yellow. One of the most attractive. Pkt., 50c

7144 LONGISSIMA HYBRIDS. A new race obtained by crossing Mrs. Scott Elliott's with Longissima. All the beautiful hues, in red, blue, white, rose, etc., of the former, long spurs and broader petals. They are hardier and more lasting. Pkt., 50c

7190 AQUILEGIA VAUGHAN'S SPECIAL MIXTURE. A complete collection including the long-spurred, and non-spurred, tall and dwarf types. Pkt., 25c.

Anchusa

(African Forget-Me-Not)

Culture: B, D or E, Page 50

Anchusas provide some of the few really blue flowers. They do best in a deep, well drained soil, in a sunny position. All are excellent bee plants. Seeds germinate in 20 days

7070 ITALICA, DROPMORE VARIETY. 5 ft. June-July. Gentian flowers. Pkt., 15c

7069 —LISSADELL. 6 ft. Large, Gentian-blue. 25c.

7071 —FELTHAM PRIDE. Bright blue. Pkt., 25c

7073 MYOSOTIDIFLORA. 1 ft. April-May. Blossoms with the late Tulips, forming a mound of attractive foliage almost hidden by pale blue Forget-Me-Not blossoms. Germination is slow. Pkt., 35c

Arabis (Rock Cress)

Culture: D or E, Page 50

Spreading dwarf, spring-flowering plants. Seeds germinate in 8 days

7195 ALPINA. 1 ft. April. Pure white. Pkt., 10c

7197 —ROSEA. 1 ft. May. Compact rosettes of foliage and pink flowers. Pkt., 35c.

7198 SNOW CAP. Shining snow white compact cushions. Pkt., 25c

7080 **ANEMONE** St. Brigid's Strain. Pkt., **20c.**

Anemone (Windflower)

Culture: B, C, D or E, Page 50

Seeds germinate in 15-20 days.

7080 CORONARIA ST. BRIGID'S STRAIN. 12 in. May-June. Double and single mixed. A beautiful selection in a wonderful array of colors. Pkt., 20c.

7090 PULSATILLA (PASQUE FLOWER). 1 ft. Deep blue, bell-shaped flowers in April are followed by tasseled seed-pods, decorative in themselves. Pkt., 25c.

Anthemis (Marguerite)

Culture: B, D or E, Page 50

Seeds germinate in 8 days.

7110 KELWAYI. 2 ft. Daisy-like lemon-yellow blossoms, all summer. Excellent for cutting. Pkt., 10c.

7112 SANCTA JOHANNIS. Brilliant yellow flowers about 1½ in. in diameter, borne singly on straight stiff leafless stems, 9 to 12 in. in length. Especially good for cutting. Pkt., 25c.

7114 TINCTORIA, PERRY'S VARIETY. 2 ft. Large lemon-yellow Daisies, bloom all summer. Pkt., 25c.

Armeria (Thrift, Sea Pink)

Culture: B, D or E, Page 50

Dwarf plants with grassy leaves and tufted growth. The flowers are borne in globular heads. Seeds germinate in 12-15 days.

7205 ALPINA. 3 in. July. Deep rose. Pkt., 10c.

7206 GLORY OF HOLLAND GIANT PINK. Improved variety bearing clear, deep pink flowers the size of a silver dollar on straight stems 24-inches high in profusion all summer. Fine for cutting. Pkt., 25c.

Asclepias (Butterfly Weed)

Culture: B, D or E, Page 50

7220 TUBEROSA. 2 ft. One of the showiest of our native perennials, producing from July until frost brilliant orange flowers. Seed pods if gathered just as they begin to open make attractive winter bouquets. Seeds germinate in 30 days. Pkt., 25c.

Hardy Asters

Culture: B, D or E, Page 50

DWARF ALPINES

7226 ALPINUS GOLIATH. Indispensable for the rockery or edge of hardy borders; 6 to 10 inches high, and bears large, showy, bluish purple flowers in May and June. Plant in full sun. Pkt., 25c.

7224 AMELLUS HYBRIDUS. New named varieties, finest mixed. Pkt., 25c.

7225 PERENNIAL, LARGE-FLOWERING MIXED. 3-5 ft. Sept.-Oct. Various shades of blue. Pkt., 25c.

Aubrietia

Culture: B, D or E, Page 50

One of the daintiest and beautiful of dwarf creeping plants for carpeting beds or rockeries, forming brilliant sheets of blue, crimson or rose for many weeks. Seeds germinate in 20 days. 6 in.

7231 EYRII. Fine large blue. Pkt., 25c.

7232 GRAECA. Light blue, dwarf. Pkt., 25c.

7230 LARGE FLOWERED HYBRIDS, MIXED. A wonderfully fine strain, good range of colors. Pkt., 25c.

Baptisia

Culture: B, C, D or E, Page 50

7235 AUSTRALIS (FALSE INDIGO). Forms a spreading bush 3 to 4 ft. high with Lupin-like blue flowers in June and July. Seeds germinate in 20 days. Pkt., 10c.

Boltonia (False Chamomile)

Culture: B, D or E, Page 50

They are among the relatively few fall flowering perennials, bearing small star-flowers in large clusters. Seeds germinate in 12 days.

7250 LATISQUAMA. 4-5 ft. July-Oct. Delicate pink. Pkt., 25c.

7435 CERASTIUM TOMENTOSUM (SNOW IN SUMMER). 4 in. June-July. A low, creeping plant bearing a profusion of white flowers. Pkt., 15c.

7225 **ASTER** Perennial Large Flowering Mixed. Pkt., **25c.**

Campanulas

Culture: B, D or E, Page 50

This brilliant family includes biennials, as well as a number of true perennials, varying in height from dainty rock garden subjects 8 inches tall to the stately Pyramidalis and Persicifolia types which reach 6 feet. Seeds germinate in 8-10 days.

Canterbury Bells

The Canterbury Bells are biennials, that is, from seed sown one year, the plants will bloom the following year, and the plant then dies. To keep up a yearly display they should be sown annually. 36 in.

DOUBLE		SINGLE	
7320	BLUE.	7300	BLUE.
7325	PINK.	7301	LILAC.
7315	WHITE.	7305	PINK.
7330	MIXED.	7295	WHITE.
		7310	MIXED.

Each of the above, pkt., 10c.

CUP AND SAUCER

7270 CALYCANTHEMA MIXED. 2 ft. June-Aug.

7285	—BLUE.	7280	—PINK.
7284	—LILAC.	7275	—WHITE.

Each of the above, pkt., 10c.

7112 **ANTHEMIS** Sancta Johannis. Pkt., **25c.**

Perennial Campanulas

Seed sown one year, plants will bloom the next and for several years following, increasing in size each year.

7260 CARPATICA (HAREBELL) BLUE. 9 in. June to Aug. Forms cup-shaped, upright blooms of a glistening light violet-blue. Likes partial shade. Pkt., 10c.

7266 CULLINMORE. A lovely dwarf-growing species, more prolific than Carpatica. Various shades of blue flowers all summer. Pkt., 25c.

7331 GARGANICA. Beautiful star-shaped sky-blue flowers fairly cover the trailing plants. Pkt., 15c.

7335 LACTIFLORA COERULEA. Broad-leaved, 2½-3 ft. July. Light blue. Pkt., 15c.

7344 PERSICIFOLIA (PEACH BELLS). BLUE. 2-3 ft. June-July. Fine border plant. Pkt., 25c.

7345 —ALBA. White. Pkt., 25c.

7350 —MIXED. Blue and white. Pkt., 25c.

7367 RAPUNCULOIDES. Spikes of loosely swung bell-blossoms. Variable coloring from soft blue to deep violet. A hedge of bloom. Pkt., 20c.

7355 PYRAMIDALIS (CHIMNEY BELLFLOWER). BLUE. 5-6 ft. August-Sept. Pkt., 10c.

7360 —ALBA. White. Pkt., 15c.

7370 VAUGHAN'S SPECIAL MIXTURE OF CAMPANULAS. A grand assortment of all varieties. Pkt., 25c.

7270 **CAMPANULA,** Medium Calycanthema Mixed. Pkt., **10c.**

7401 **CARNATION,** Grenadin Mixed. Pkt., **25c.**

Garden Carnations

Culture: B, D or E, Page 50

GRENADIN-20 in.

A valuable bedding variety with double flowers, blooming first year from seed if sown early. Soon after they are through blooming the tops should be cut. The Grenadin type will branch and will carry on through another year. If this operation is not done, in most cases the Grenadin type is only a biennial. Seeds germinate in 10–15 days.

7390 KING OF THE BLACKS. Darkest red, very fine. Pkt., 25c.

7398 GOLDEN SUN. Early flowering, very double, large clear yellow flowers. Pkt., 35c.

7395 RED. Pkt., 25c. **7400 WHITE.** Pkt., 25c.

7385 TRIUMPH ROSE. Pkt., 25c.

7399 WHITE GOLD. Soft yellow. Pkt., 25c.

7401 MIXED. Pkt., 25c.

7396 DWARF BRIGHT SCARLET. 14 in. Double flowers of rich intense scarlet exceedingly showy. Blooms from seed first year if sown early. Pkt., 25c.

VIENNA DWARF CARNATIONS

They grow evenly about 14 inches tall, are extra-double and very large-flowering. The color display is magnificent. Flower at least 14 days earlier than others.

7415 MIXED. Pkt., 25c.

Centaurea

(Hardheads, Knapweed)

Culture: B, D or E, Page 50

7428 HARDY PERENNIAL MIXED. A mixture of thirty hardy Centaureas. A real treat is in store for those who plant this mixture, as it will be a means of securing plants of unknown and unlisted sorts of various forms and colors. Seeds germinate in 8 days. Pkt., 15c.

Coreopsis

Culture: B, D or E, Page 50

A useful and attractive perennial, both for border and cut flowers. They are of easy culture, and flower in profusion throughout the summer. Seeds germinate in 8 days.

7493 DOUBLE SUNBURST. The flowers are double, 1½ to 2 inches across, excellent for cutting, as the flowers are fine keepers and the plants easy to grow. Comes about 80% double. Pkt., 25c.

7495 LANCEOLATA GRANDIFLORA. 2 ft June-Oct. Large orange-yellow flowers on long graceful stems. Will flower the first year if sown early. Pkt., 10c.

7494 MAYFIELD GIANTS. It produces a taller and more vigorous plant with longer and firmer stems and larger individual blooms. Pkt., 20c.

Shasta Daisies

Culture: B, D or E, Page 50

The name Shasta is now applied not to a single variety but to a class of hardy Daisies, bearing giant flowers, all splendid border subjects and easily grown from seeds, which germinate in 8 days.

7500 ALASKA. 2–2½ feet. Splendid for cutting. Pkt., 10c.

7464 SHASTA DAISY G. MARCONI RESELECTED (Double). The largest Shasta Daisy today, the flowers are around 7 inches in diameter and stems 2½ to 3 ft. long. Pkt., 50c

7504 GIANT DOUBLE SHASTA DAISY. While first year flowers of this perennial have many singles, in the second year they are almost 100% double, with flowers up to 6 inches, and a long season. Pkt., 35c

7462 MAXIMUM CONQUEROR. June 2⅔ ft. Large, pure white flowers, five inches in diameter, on long stiff stems, in profusion. Pkt., 15c.

7460 MAXIMUM KING EDWARD VII. 2½ feet. Very large flowers on stout stems. Pkt., 10c

7464 **SHASTA DAISY,** Marconi Reselected. Pkt., **50c.**

Dianthus Barbatus

Single Sweet William 18-24 in.

Culture: B, D or E, Page 50

In early June, when summer flowers are not yet in bloom and there is little in the garden available for cut flowers, the Sweet William is most welcome. Seeds germinate in 8 days.

7670 ATRO-SANGUINEUS. Blood-red. Pkt., 10c.

7650 GIANT WHITE "SPECIAL." 1½–2 ft. Pure white flower clusters, on strong wiry stems. In growth it resembles the Perennial Phlox and is a splendid cut flower. The individual florets average from ½ to ¾ of an inch in diameter. The flower clusters range from 4 to 7 inches. Sown from May to July will bloom next June. Pkt., 25c.

7659 HOMELAND. Dark red with large sharply defined, clear white center. Pkt., 35c.

7660 NEWPORT PINK. Salmon-pink. Pkt., 10c.

7635 SCARLET BEAUTY. Vivid orange or salmon scarlet. Pkt., 15c.

7685 SINGLE GIANT-FLOWERED MIXED. Pkt., 10c.

7688 MIDGET SINGLE MIXED. 3–4 in. Alpine Sweet William, uniform habit. The color range is from white, chamois, salmon, scarlet, brick red to maroon, with most blooms tri-colored. Pkt., 25.

DOUBLE VARIETIES

Seedings of all double Sweet William produce about 40% of single blooming plants.

7710 GIANT DOUBLE MIXED. The plants are of robust bushy habit, producing numerous stems surmounted by immense umbels of full double flowers many over one inch in diameter. The colors are extremely varied. Pkt., 20c.

7711 MIDGET DOUBLE DWARF MIXED. An attractive double form of the above, 3 to 4 in. tall in a bewildering color range. Pkt., 15c.

7715 VAUGHAN'S SPECIAL MIXTURE OF SWEET WILLIAM of all listed and others. Pkt., 25c.

NEW EVERBLOOMING SWEET WILLIAM

7578 LATIFOLIUS ATROCOCCINEUS FLORE PLENO. A beautiful summer blooming variety as it bears brilliant fiery crimson blooms all through the season. Very hardy and a sturdy grower. Pkt., 15c.

Hardy Pinks

(Dianthus)

Culture: B, D or E, Page 50

Favorites for generations, these gay flowers are of great value in the border and rock garden. Most of them grow easily from seed, thrive in ordinary soil which must contain some lime, and should be in a well-drained situation. Seeds germinate in 8–10 days

7576 ×ALLWOODI ALPINUS. 6 in. Flower first year from seed. It has single and semi-double flowers in all Dianthus colors. A gem for rock gardens. Pkt., 50c.

7575 ALLWOODI MIXED. 1 ft. The flowers are about 75 per cent double and of all colors except blue and yellow. The single flowers grow in clusters. It is exceptionally hardy and flowers from early spring until fall. Pkt., 25c

7580 ×CAESIUS (Cliff Pink). 1 ft. Flowers delicate rose pink, fragrant. Pkt., 25c.

7580A DELIGHT. Beautiful single flowers, 1 in. or more across, in a bewildering range of colors from lightest pink through salmon, red to deepest purple, many eyed like a Sweet William, while others have a definite contrasting light or dark center. Pkt., 25c

7582 ×DELTOIDES BRILLIANT (Maiden Pink). 8 in. Delicate pink blossom feathery foliage. Pkt., 25c

7581 KNAPPII. A yellow "Hardy Pink", unusual color for this family. Clusters of clear golden yellow flowers above grassy green foliage. Pkt., 25c.

7631 LOVELINESS. The flowers have large laciniated petals of a most exquisite mauve-pink, with delightful fragrance. Pkt., 25c.

7587 BEST ROCK GARDEN VARIETIES MIXED. Rock gardens need the low growing Dianthus to brighten spots and fill in crevices. Pkt., 25c.

7592 WINTERI. The flowers are of pure colors; habit compact; flowers first year from seed; deliciously scented. Pkt., 50c.

PLUMARIUS (Clove or Grass Pinks)

PLUMARIUS is the old-fashioned, fragrant garden Pink. Fine for perennial border or rockwork.

7605 DWARF EARLY FLOWERING MIXED. A colorful mixture, fine for Rock gardens. 1 ft. Pkt., 25c.

7585 HIGHLAND HYBRIDS. Tall, strong stemmed pinks in varied colors, beautifully marked and zoned. Pkt., 35c.

7590 ×CYCLOPS RED HYBRIDS (Clove Pink). 1 ft. An exquisite mixture of rose and red varieties; fragrant. Pkt., 15c.

7599 ESSEX PINKS. See Novelties. Pkt., 25c.

7620 ×SEMPERFLORENS DOUBLE MIXED. Fine for cutting. Pkt., 15c.

7632 SCOTICUS DOUBLE SPECIAL STRAIN. Self colors of pink, rose, salmon and white and the same in combination with a bright crimson zone. Blooms 1½ to 2 inches. Free flowering. Pkt., 35c.

7609 ×SPRING BEAUTY. Double giant-flowered Grass Pinks, Carnation-like in form and size and with a beautiful range of color. Very fragrant. Pkt., 25c.

7615 ×SINGLE MIXED. Delicately fringed. Pkt., 10c.

7625 ×VAUGHAN'S SPECIAL MIXTURE. A grand selection of Clove Pinks of the above Plumarius type and others. Pkt., 25c

7660 **DIANTHUS BARBATUS,** Newport Pink. Pkt., **10c.**

7768 **DIGITALIS,** Shirley Hybrids. Pkt., **25c.**

Digitalis (Foxglove)

Culture: B, D or E, Page 50

These are biennials and should be sown very early in the spring so plants will be large enough to flower the following year. They should be wintered in a cold frame where sub-zero temperatures are common and always in a well drained place, as their crowns remain green all winter. Seeds germinate in 10–15 days.

7745 GLOXINIAEFLORA MIXED COLORS. Pkt., 10c.

7768 —THE SHIRLEY HYBRIDS. 6 to 7 ft. The flower-heads are over 3 ft. long, covered with big bell-shaped blossoms from white and shell-pink to deepest rose. Pkt., 25c.

7750 GRANDIFLORA OR AMBIGUA. 2 to 3 ft. June-July. Yellowish flowers marked with brown. A true perennial. Pkt., 10c.

7749 PRINCESS PASTEL MIXTURE. 4 ft. Here is really a new flower for your garden—a Foxglove in distinctly new pastel tints of pink, apricot, buff, rose and heliotrope. Pkt., 15c.

7775 VAUGHAN'S SPECIAL MIXTURE OF DIGITALIS. The above, and other colors. Pkt., 15c.

DELPHINIUM. For complete list, see Novelty and Specialty pages.

Dicentra (Dielytra)

(Bleeding Heart or Seal Flower)

Culture: B or C, Page 50

7718 EXIMIA (Plumy Bleeding Heart). Dwarf; reddish purple. May and June. 12 in. Seed germinates slowly. Pkt., 25c.

Dictamnus (Gas Plant)

Culture: B or C, Page 50

This bushy perennial with its attractive flower spikes blooms with the tall bearded Iris. While its seeds germinate slowly, and do best when sown in the fall, once the plant is established it should not be moved. Seeds germinate in 50-60 days.

7720 FRAXINELLA. 3 ft. May-June. Large spikes of deep pink purple-veined flowers. Pkt., 15c.

7725 —ALBUS. 3 ft. May-June. Spikes of attractive pure white sweet-scented flowers. Pkt., 15c.

8259 NATIVE WILD FLOWER MIXTURE. For Sun or Shade. Seeds of more than 100 different species. All American, collected in the temperate zone. For woodlands, and wild flower gardens. Pkt **25c**

Doronicum (Leopard's Bane)

Culture: B, D or E, Page 50

7780 CAUCASICUM MAGNIFICUM. Showy yellow flowers with bright green, heart-shaped leaves which disappear during July and August. Lovely with pale lavender Tulips. Seed germinates in 20-30 days. Pkt., 35c.

Euphorbia

Culture: B, D or E, Page 50

7807 COROLLATA (WILD BABY'S BREATH). 2 to 3 ft. Blooms in midsummer, and suggests Gypsophila, flowers are a cloud of small white stars, delicate and airy. Valuable for bouquets. Will bear drought or neglect. Leaves turn a rich wine color in fall. Seeds germinate in 20-30 days. Pkt., 25c.

Gaillardias

Culture: B, D or E, Page 50

Seeds germinate in 20 days.

7809 GRANDIFLORA MONARCH STRAIN. A robust strain varied in coloring and with flowers of giant size and perfect form. Pkt., 25c.

7812 —BURGUNDY. 2 ft. Shining wine-red flowers, 2½ in., from June until fall. Blooms same year, sown early. Pkt., 25c.

7811 —DAZZLER. Large golden yellow flowers with rich maroon center. Pkt., 25c.

7817 —GOBLIN. 12-15 in. First real dwarf, covered with showy deep red flowers yellow bordered. Flowers first year from seed. Pkt., 25c.

7836 —PORTOLA HYBRIDS. 2½-3 ft. The flowers are nearly 4 inches; brilliant scarlet intensified by golden yellow tip. Pkt., 25c.

7810 —MIXED. Composite flowers variegated with shades of red and yellow. Pkt., 10c.

7812 **GAILLARDIA,** Burgundy. Pkt., **25c.**

Geum

Culture: B or C, D or E, Page 50

Seeds germinate in 10 days.

7851 BORISII. An evergreen species with foliage rather prostrate and the branching flower stems 8 to 12 in. long. Orange scarlet flowers. Pkt., 25c.

7852 LADY STRATHEDEN (GOLDEN BALL). 2 ft. Flowers loosely double, golden yellow. Pkt., 35c.

7855 MRS. BRADSHAW. 2 ft. Double orange-scarlet flowers. June-Sept. Pkt., 25c.

7854 PRINCE OF ORANGE. True rich orange on long stems. Pkt., 25c.

Gerbera (Transvaal Daisy)

Culture: D or E, Page 50

Seeds germinate in 12 days.

7846 JAMESONI HYBRIDS (FLOWERLAND STRAIN). 2 ft. Large Daisy-like blooms on long stems in yellow and red. Pkt., (25 seeds) 25c.

7780 **DORONICUM,** Caucasicum Magnificum. Pkt., **35c.**

Gypsophila (Baby's Breath)

Culture: A, B, D or E, Page 50

Seeds germinate in 12 days.

7861 MANGINI. Wide tangles of large and pretty pink and white flowers valued for misty border effects, also for adding airy grace to cut flower arrangements. Pkt., 15c.

7866 OLDHAMIANA. 3 ft. The buds are first almost white, but open a lively shade of pink that darken as the flowers mature. Pkt., 25c.

7867 PACIFICA. 4 ft. Withstands both severe winter and extreme heat. The seedlings form dense bushes with myriads of tiny pink blossoms. Pkt., 25c.

7860 PANICULATA DOUBLE SNOW WHITE. 2-3 ft. July-Aug. A great improvement on the single-flowered type and more lasting. Pkt., 25c.

7865 —(BABY'S BREATH). 2-3 ft. July-Aug. Small single flowers on branched stems, so thick as to give the plant a white lace-like effect. Pkt., 10c.

7863 REPENS ROSEA. 6 in. Attractive pink. 15c.

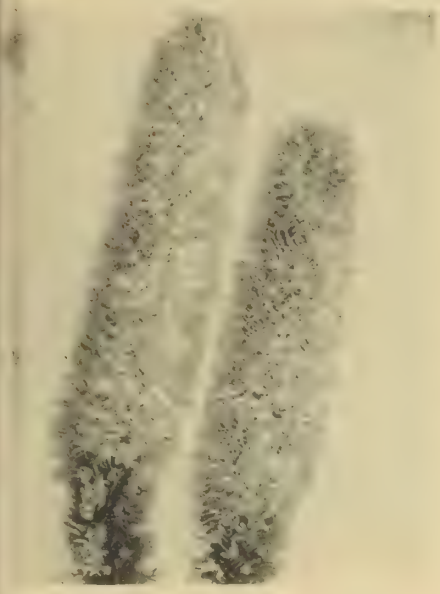
7862 REPENS DWARF WHITE. Pkt., 15c.

Helianthemum

Culture: C, Page 50

7906 MUTABILE (ROCK ROSE). 8-12 in. Low-growing evergreen plants forming large clumps, completely covered with bloom during July and August. Pale rose changing to lilac, then to white. Excellent for rockeries. Mixed colors. Seeds germinate in 12 days. Pkt., 15c.

7855 **GEUM,** Mrs. Bradshaw. Pkt., **25c.**



8117A **LIATRIS** September Glory. Pkt., **25c.**

Helenium (Sneezewort)

Culture: B, D or E, Page 50

7890 RIVERTON GEM. 2 to 4 ft. Covered from August to October with brilliant old gold, changing later to wallflower-red. Seeds germinate in 8 days. Pkt., 25c.

Hemerocallis

Culture: A, B, C or D, Page 50

7922 PEERLESS BLEND. A mixture of high merit. Seeds saved from 10 botanical species, also from fine hybrid seedlings. This blend will give a wide color range of excellent Day Lilies. Seeds germinate in 30–40 days. Pkt., 25c.

Hesperis Matronalis

(Sweet Rocket—Evening Scented Stock)

Culture: B, D or E, Page 50

The fragrant flower-heads of these thrifty flowers somewhat resembling perennial Phlox, make a fine display in the border, or in bits of woodland, for they endure light shade. 2 to 3 feet. June and July.

7930 PURPUREA. Lilac. Pkt., 10c.

7935 —ALBA. White. 10c.

Heuchera (Coralbells)

Culture: B, D or E, Page 50

From a tuft of heart shaped leaves, graceful flower stalks rise, bearing flowers in clusters. Seeds germinate in 20-30 days.

7940 SANGUINEA. 2 ft. July-Aug. Long stems of large crimson-scarlet flowers. Pkt., 25c

7943 —NEW HYBRIDS MIXED. All shades of red and coral pink. Large and free flowering. Pkt., 25c.

7941 —SPLENDENS. Vermillion. Pkt., 25c.

Hibiscus (Rose Mallow)

Culture: D B, or E, Page 50

In the late summer, when perennials are few, well established plants of Mallow bear their beautiful single flowers, 3 to 5 inches, several weeks. Seeds germinate in 15 days. Aug.-Sept.

7947 AVALON HYBRID. 3 ft. A new hybrid strain. Flowers mostly of bell shape, and vary from blush through pink, rose and vivid reds. Bloom until October. Pkt., 25c.

7950 GOLDEN BOWL. 3 ft. Deep cream, with a velvety maroon center. Pkt., 10c.

7946 JUMBO RED. 3 ft. A special selection made to improve color and size of the flower of the Mallow Marvels Red. Pkt., 15c.

7960 MALLOW MARVELS, MIXED. 3-5 ft. Pkt., 15c

Hollyhocks

Culture: B, D or E, Page 50

Hollyhocks are most decorative and indispensable to the garden picture. Following Delphiniums in the border show they have a long season of bloom which can be prolonged by picking off faded flowers. A second crop will come if the first stalks are cut back. They need a well drained location. Hollyhock rust can be overcome by sowing the seed each year for flowering the next, as rust seldom attacks young plants. Seeds germinate in 8 days.

DOUBLE VARIETIES

8005 NEWPORT PINK. The finest pure pink. Pkt., 10c

8006 DOUBLE CERISE BEAUTY. 6 ft. Color a brilliant cerise, a selection from the popular Double Newport Pink. Pkt., 25c

8003 DOUBLE ORANGE PRINCE. 6 ft. Well shaped background petals of clear yellow with rosette of blushing orange in the center. Pkt., 25c

8008 BEGONIA FLOWERED IMPERATOR MIXED. Flowers with broad collar of frilled and fringed petals and double center rosette, many interesting combinations of colors. Pkt., 25c

8009 DOUBLE TRIUMPH MIXED. Beautifully fringed rosette flowers in many new shades and bicolor combinations. Pkt., 15c

8015 VAUGHAN'S PRIZE DOUBLE MIXTURE. Finest shades in perfect flowers. ¼ oz., 50c. Pkt., 15c

8016 VAUGHAN'S SPECIAL MIXTURE. Mixture of all the best double varieties with new French strains. Pkt., 25c

SINGLE VARIETIES

More permanent and hardy than the double.

8055 MIXED. ¼ oz., 30c; pkt., 10c

ANNUAL HOLLYHOCKS—See Page 26

Iberis (Perennial Candytuft)

Culture: A, B, D or E, Page 50

Dwarf evergreen plants, 6 to 10 in. Covered with blooms in spring and early summer. Seeds germinate in 8 days.

8075 GIBRALTARICA. Pinkish white. Pkt., 10c

8080 SEMPERVIRENS. Sheet of white. Pkt., 25c.

GROW IRIS FROM SEED

Culture: A, B or C, Page 50

Seed germinates in 20-30 days.

8089 KAEMPFERI. Special strain. Seed was saved from a grand exhibtion collection of six-petaled varieties. Large and rather flat blooms rich in coloring. Blooms in June and July one year after sowing. Pkt., 35c

8092 SIBERIAN. This type of Iris resembles the Spanish and English Irises. It makes a bright show in the garden and is excellent for cutting. Sow seed in fall. Pkt., 15c. **For Iris plants see Index.**

8091 DICHOTOMA (AUGUST OR VESPER IRIS). Fragrant flowers on tall branching sprays, from July to September. Cream to violet-purple markings of various colors. Pkt., 20c

8093 SPURIA. Flowers in form a reminder of the bulbous Dutch and Spanish Irises. Long lasting when cut. Includes yellow splashed whites, golden yellows, lilac, lavender and varied blues. Pkt., 25c.

7943 **HEUCHERA,** Sanguinea New Hybrids Pkt., **25c.**

8171 **LUPINUS** Polyphyllus Russell Mixture. Pkt., **25c.**

8430 KUDZU VINE (Pueraria Thunbergiana) Excellent ornamental creeper. Pkt., 15c

Lathyrus Latifolius

(Hardy Sweet Pea)

Culture: B, C, D or E, Page 50

Very decorative climbing vines of the Pea family for growing on fences, trellis, etc., and for cutting. Seeds germinate in 25-30 days.

8100 PINK BEAUTY. Pale pink variety. Pkt., 10c.

8105 RUBRA. Bright rosy crimson. Pkt., 10c.

8110 WHITE PEARL. Large white. Pkt., 10c

8115 MIXED. A special blending of the colors available in this fine climber. Large pkt., 15c.

Lavender (Lavandula)

Culture: B, D or E, Page 50

8117 MUNSTEAD STRAIN. 1 ft. A most valuable variety. A month earlier than the common Lavender. Seeds germinate in 12 days. Pkt., 25c

Liatris (Kansas Gay Feather)

Culture: B, D or E, Page 50

8117A SCARIOSA SEPTEMBER GLORY. A giant 6-ft. spike solidly covered with purple flowers from top to bottom. The flowers, unlike the common variety, come into bloom all at the same time creating a marvelous effect. Seeds germinate in 20-30 days. Pkt., 25c

Lilies from Seed

Many Lilies are easily grown from seed; and seedling Lilies are likely to be more enduring in your garden. A leaflet describing the simple methods which bring success, requiring no skill, but merely care and patience, will be sent free with each order for Lily seed, if requested. Seeds germinate in 20-30 days.

8158A LONGIFLORUM PRAECOX WHITE QUEEN. Produces long trumpet-shaped flowers of clear white. Pkt., 25c

8159 PHILIPPINENSE FORMOSANUM SNOWDRIFT. Blooms end of August and can be flowered within 10 months from sowing. Attains a height of 4 to 6 ft., often with 10 to 12 flowers with trumpets 6 to 7 inches across. Pkt., 35c

8162 REGALE (THE ROYAL LILY). 3½ ft. King of lilies of northern gardens. Trumpets glossy white, interior shows a lemon tinting and the reverse a rosy suffusion. Pkt., 15c

8163 TENUIFOLIUM (CORAL LILY OF SIBERIA). 24 in. Blooms are deep scarlet and have recurled petals of waxy texture. Pkt., 25c.

8161 TIGRINUM. See Novelties. Pkt., 25c

8164A MIXTURE OF HARDY LILIES. Includes seeds of 50 Lilium species and Hybrid strains, but not, of course, in equal proportions. Pkt., 25c

For bulbs of Lilies see Index

8420 **PRIMULA** Veris Colossea Mixed. Pkt., **50c.**

8313 **POPPY,** Orientale Named Varieties Mixed. Pkt., **25c.**

Vaughan's Perennial Flower Seeds

Linum (Flax) 12 to 18 in.

Culture: C, Page 50

One of the best sources of vivid blue and yellow in the perennial border. Seeds germinate in 8-10 days.

8134 LINUM COLLINUM. A hardy perennial Flax with bright blue flowers, forming compact, free-flowering plants 12 to 15 inches in height. Pkt., 25c.

8140 FLAVUM. 1-2 ft. Produces masses of golden yellow flowers from June until Sept. Pkt., 20c.

8141 —COMPACTUM NANUM. A glowing golden yellow, blooms for months. Pkt., 25c.

8127 NARBONENSE HEAVENLY BLUE. The flowers are twice as large as the common Linum Perenne. The color is a luminous ultramarine blue. Blooms from seed the first year. Pkt., 25c.

8125 PERENNE BLUE. 2 ft. May-Aug. Has dainty sky-blue flowers on graceful arching stems. Blooms produced continuously in profusion. Pkt., 10c.

Lobelia

Culture: B, C, D or E, Page 50

8145 CARDINALIS (CARDINAL FLOWER). 2 ft. July-Oct. Tufts of bronzy green foliage from which arise spikes of fiery scarlet flowers. Seeds germinate in 10-12 days. Pkt., 15c.

For Winter Bouquets

Culture: B, D or E, Page 50

8150 LUNARIA BIENNIS ANNUA (HONESTY OR ST. PETER'S PENNY). Flowers lilac-purple, followed by silvery seed pods, prized for winter bouquets. Biennial but readily self-sows. Seeds germinate in 10-12 days. Pkt., 10c.

Lupinus Polyphyllus

Culture: A, B, D or E, Page 50

Inoculate Lupin seed with Nitragen. Two garden sizes, 10c and 25c. Chill seed before sowing. Germinates in 8-10 days.

8171 FAMOUS RUSSELL STRAIN. MIXED COLORS. These remarkable Lupins are often 3½ ft. in length. Flowers in 4 months from sowing. Pkt., 25c.

8179 VAUGHAN'S SPECIAL MIXTURE. This is a choice mixture of the best English and American strains, including recent novelties. Pkt., 25c.

Lychnis

Culture: B, D or E, Page 50

Seeds germinate in 10-12 days

8190 CHALCEDONICA (MALTESE CROSS). 3 feet. June-Aug. Burning Star. Flowers fiery red in clusters, each blossom forming a Maltese cross. Will bloom from seed the first year. Pkt., 10c.

8221 LYTHRUM THE BEACON IMPROVED. 3½ ft. Spikes of carmine red flowers. Pkt., 25c.

8220 —ROSEUM SUPERBUM. 4 ft. Rose-pink. 10c.

Culture: B, D or E, Page 50

8245 MYOSOTIS PALUSTRIS SEMPERFLORENS. True marsh forget-me-not blooming from spring until autumn. Pkt., 25c

Pentstemon (Beard Tongue)

Culture: B, D or E, Page 50

They are very showy, growing from 2 to 4 feet; slender spikes which bear trumpet-shaped flowers.

8324 BARBATUS. Tall erect branching. A showy scarlet perennial. One of the best. Seeds germinate in 10-12 days. Pkt., 25c.

Phlox Seed

8340 DECUSSATA MIXED. 2-3 ft. This special mixture comes from a superior collection of large-flowering sorts. Perennial Phlox do not come true from seed and can be had only in mixture. Seed germinates slowly. Pkt., 25c.

8341 DIVARICATA. Blooms early May. Fragrant lavender flowers on stems 10 inches high. Prefers shade. Seed germinates slowly. Pkt., 25c.

Oriental Poppies

PAPAVER Orientale 3 ft. May-June

These gorgeous spring flowers, often six inches across of vivid coloring, may be left undisturbed for years. The named varieties of Oriental Poppies do not come entirely true from seed. Seed germinates in 10–15 days.

8307 BEAUTY OF LIVERMERE. Finest crimson, 25c.

8303 MAHONEY. Maroon, shaded crimson. Pkt., 15c.

8309 MRS. PERRY. Delicate salmon-rose. Pkt., 25c.

8305 PRINCESS VICTORIA LOUISE. Lilac-rose. 15c.

8310 RED. Very striking color. Pkt., 10c.

8313 NAMED NEW VARIETIES MIXED. Seed collected from a field of the newer named sorts. Lovely pinks, rose and white. Pkt., 25c.

8279 **POPPY,** Nudicaule Vaughans Special Mixture. Pkt., **25c.**

Iceland Poppies

PAPAVER Nudicaule 12 to 18 in.

Culture: B, Page 50

Cool moist soil is necessary, and light shade preferred. Hardy perennials, they bloom first year from seed. Seed germinates in 10–15 days.

8291 GARTFORD GIANT ART SHADES. Exceptionally large flowers in lovely pastels. Pkt., 25c.

8293 EMPEROR. 18–22 in. Finest giant orange of new form, with over-lapping fluted petals giving effect of semi-doubleness. Pkt., 25c.

8287 KELMSCOTT STRAIN. 3 ft. The best strain, large flowers in beautiful colors. Pkt., 25c.

8296 YELLOW EMPEROR. 20 in. A true Nudicaule of a clear lemon yellow. Flowers 3½ inches on 18 in. stems from low-growing, bushy plants, very uniform. Five to eight flowers per plant continually for a month or better, early in the summer. Pkt., 25c.

8281 YELLOW WONDER. Buttercup yellow flowers on stems 25 in. long, drought resisting. Pkt., 25c.

8279 VAUGHAN'S SPECIAL ICELAND POPPY MIXTURE. We have included all the newer varieties. Pkt., 25c.

8270 ×NUDICAULE MIXED. Pkt., 10c.

Primula

There is a growing appreciation of the beauty of the amazingly varied Primrose family. Blossoming in April and May, their brilliant colors have few rivals in plantings along shady paths or in the rock garden. Seed germinates in 15-30 days.

Culture: C or B, Page 50

8403 ACAULIS BLUE. The finest obtainable being regular and rich in color. Pkt., (100 seeds) $1.00.

8403A AURICULA LARGE FLOWERING MIXED. 6 in. Flowers in early spring in colors of yellow, brown and red. Pkt., 25c.

8411 JAPONICA MIXED. Towering sprays of beauty. Colors range through white, rose, pink, crimson, mauve and lavender, bright crimson, orange eye. Pkt., 25c.

Polyantha Type (Bunch Primrose)

These are showy, cluster-flowered, of exceptional size, thriving in rich, moist soil.

8419 VERIS GIANT CRIMSON. Pkt., 25c.

8420 —COLOSSEA MIXED. The large heads of florets are borne on stiff stalks in new shades of lilac, pink, copper as well as the darkest red. Pkt., 100 seeds, 50c.

8421 —LUTEA. Yellow. Pkt., 25c.

8416 —GRANDIFLORA MIXED. An extra choice large flowered mixed strain most carefully selected for habit, rich coloring and size of bloom, the finest strain for bedding. Pkt., 35c.

8418 —GIANT BOUQUET MIXED. Large flowered, strong stems, excellent mixture. Pkt., 25c.

8423A —MONARCH STRAIN. Undoubtedly the finest of all strains. Pkt., 25c.

8424 VULGARIS (ENGLISH PRIMROSE). Pale yellow for wild gardens. Pkt., 25c.

8416 **PRIMULA,** Veris Grandiflora. Pkt., **35c.**

Physalis Franchetti

Culture: B, D or E, Page 50

8345 CHINESE LANTERN PLANT. 1½ ft. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese Lanterns, useful in winter bouquets. Seeds germinate in 15 days. Pkt., 10c.

Platycodon

(Chinese Bell Flower)

Culture: B, D or E, Page 50

They resemble Campanulas, with dainty bell flowers on graceful stems. They flower from June to September.

8360 GRANDIFLORUM. 2-3 ft. Large handsome deep blue flowers. Pkt., 10c.

8365 —ALBUM. White. Pkt., 15c.

8370 MARIESII BLUE. 1 ft. Deep blue dwarf. Pkt., 10c.

8375 —ALBA. White. Pkt., 25c.

8353 PHYSOSTEGIA SUMMER SNOW. The flowers are a glistening pure white. Resembles the medium tall Rosy Spire in height and form. Handsome plants for sunny border, admirably suited for cutting. Pkt., 25c.

Polemonium

(Jacob's Ladder)

Culture: B, D or E, Page 50

8380 COERULEUM (Greek Valerian). 2 ft. Beautiful sky-blue flowers with golden anthers. June-July. Foliage fern-like. Pkt., 15c.

8430 PUERARIA THUNBERGIANA (Kudzu Vine). An excellent ornamental creeper. Pkt., 15c.

Pyrethrum Roseum

(Painted Daisy)

Culture B, D or E, Page 50

Their large flowers, well named Painted Daisies, blossom with the tall Iris, and continue through June. A second crop will come if the first growth is cut back. They are easily grown from seeds, which germinate in 20 days. 1 to 2 ft.

8433 DOUBLE MIXED. Pkt., 35c.

8444 DOUBLE RED. Pkt., 50c.

8445 —PINK. Pkt., 50c.

8448 —WHITE. Pkt., 50c

A certain percent of the above will be single.

8441 SINGLE ATRO-SANGUINEUM. Blood-red. Pkt., 25c.

8443 —ROSEUM. Rose. Pkt., 25c.

8440 GRANDIFLORUM SINGLE MIXED. Pkt., 15c.

8438 ROBINSON'S HYBRIDS, MIXED. A selection made by an English specialist, with a fine color range. Pkt., 25c.

8438A ROBINSON'S CRIMSON. The best red. Pkt., 25c

PERENNIAL SEED MIXTURES

Similar to our Surprise Garden of Annuals.

8600 DWARF. 6 to 15 in **8601 MEDIUM.** 18 to 36 in

8602 TALL SORTS MIXED. 3 ft. and upwards. Each of above, per pkt., 25c; 3 pkts. for 65c.

Ranunculus

8451 ASIATICUS. The semi-double to double flowers range from straw to gold, orange, scarlet, crimson with pink tones. Can be planted in garden in earliest spring. Seeds germinate in 15-20 days. Pkt., 25c.

Rose

Culture: B, D or E, Page 50

8452 THE BABY ROSE. Multitudes of tiny roses in varied lovely colorings, but largely in white, blush or delicate pink. Flowers single to fully double. More or less everblooming. Quick from seed, and from earliest spring sowings, plants will be in flower by June, midgets but four inches high. Pkt., 25c.

8438 **PYRETHRUM,** Robinson's Giant Hybrids Mixed. Pkt., **25c.**

Rudbeckia (Cone Flower)

Culture: B, D or E, Page 50

Seeds germinate in 20-30 days.

8462 PURPUREA. Reddish purple flowers, large brown cone-shaped center. Two to 3 foot stems. Blooms July to October. Pkt., 15c.

8465 HERBSTWALD AUTUMN TINTS. 2 ft. Blooms the first year from seed sown in March, furnishes star flowers of fiery autumn coloring. Pkt., 25c.

Salvia

Culture: B, D or E, Page 50

8480 PATENS. 2 ft. Large, rich deep blue flowers. Roots can be wintered in cellar. Seeds germinate in 15 days. Sept. Pkt., 25c.

Scabiosa

Culture: B, D or E, Page 50

8490 CAUCASICA PERFECTA. 18 in. Light blue flowers prettily fringed on long stems. Pkt., 15c.

8491 —ALBA. Pure white comes true. Pkt., 25c

8494A —VAUGHAN'S SPECIAL MIXTURE. Large fringed and ruffled flowers from lavender to dark blue; some pure white. Pkt., 25c

8492 —HOUSE'S NEW GIANT HYBRIDS. 18 in. June-Oct. Large flowers in various shades of lavender. Pkt., 25c

8496A —GOLDINGENSIS. Large flowers, waved petals, small center, deep lavender. Pkt., 25c.

Statice

8520 LATIFOLIA. 2 ft. Dense branching plumes of deep blue flowers. Pkt., 15c

Stokesia (Stokes' Aster)

Culture: B, D or E, Page 50

Large flowers, resembling a single Aster. Seeds germinate in 20 days.

8525 CYANEA. 18 in. July-Oct. Flowers rich blue. Pkt., 15c.

Thalictrum (Meadow Rue)

Culture: B, D or E, Page 50

Though not of bright and conspicuous color, the feathery flowers of the Thalictrums are decorative and interesting. They grow easily from seed, germinating in 15-20 days.

8541 AQUILEGIFOLIUM. (FEATHERED COLUMBINE) Handsome foliage; sepals white, stamens purple. 3 ft. Pkt., 25c.

8545 DIPTEROCARPUM. 4 to 5 ft. Aug.-Sept. Very graceful plumes of rosy-purple flowers with conspicuous yellow anthers. Pkt., 25c

Thermopsis

Culture: B, D or E, Page 50

8548 CAROLINIANA. 3 to 5 ft. June and July. The long, graceful spikes of yellow Lupin-like flowers blossom with the Delphiniums and provide an excellent foil for their blues. Seeds germinate in 15-20 days. Pkt., 25c.

Tritoma (Red Hot Poker)

Culture: B, D or E, Page 50

Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4 ft. stems.

8558 PFITZER'S HYBRIDS. Orange scarlet. Pkt., 15c

8550 TRADESCANTIA MIXED. Fully hardy, easily grown from seed and usually giving some flowers first year. Seeds from unnamed and named varieties in colors of rose pink, snow white, rosy mauve, deep purple, sky blue, soft pink and many others. Pkt., 25c.

8554 TROLLIUS CHOICEST MIXED VARIETIES. Pkt., 25c

8561 VALERIANA (GARDEN HELIOTROPE) MIXED. Pkt., 10c.

Tall, Hardy Verbena

Culture: B, D or E, Page 50

8566A BONARIENSIS. 4 ft. A grand perennial that blooms from seed the first year. Sweet scented rosy lavender flowers on long stiff stems. Pkt., 15c.

Veronica (Speedwell)

Culture: B, D or E, Page 50

Hardy, herbaceous perennials varying in height from a few inches to 3 or 4 ft., and bearing blue or white flowers in terminal spikes or racemes. Seeds germinate in 15-20 days.

8570 SPICATA BLUE. 2 ft. July-August. Flowers violet blue in long spikes. Pkt., 15c.

8571 DWARF SORTS MIXED. Pkt., 15c.

8494A **SCABIOSA,** Caucasica Vaughan's Special Mixture. Pkt., **25c.**

Home Greenhouse and House Plants from Seed

1087 **BEGONIA** Masterpiece. Pkt., **50c.**

Abutilon

120 MIXED (FLOWERING MAPLE OR CHINESE BELL FLOWER). ÷ 3 to 4 ft. As indispensable for the window or greenhouse as the Petunia is for the flower garden. Grows rapidly from seed, and is soon in bloom. Leaves very ornamental and often beautifully variegated. Lovely bell-shaped flowers, borne the year round and in all colors. Pkt., 25c.

Agapanthus ÷

Culture: C, B, D or E., Page 50

175 UMBELLATUS (BLUE LILY OF THE NILE). 1 ft. Bright blue flowers produced in clusters on long stems. Does well out of doors in all Southern States. House plant in the North. Pkt., 15c.

Antirrhinum

SNAPDRAGON ① ÷

For Greenhouse Forcing.

Culture: D or E, Page 50

BRONZE

362 AFTERGLOW. Golden bronze.
394 LADY DOROTHY. Glowing reddish bronze.
399C SUNLIGHT. Finest early golden bronze.

LAVENDER

406 SCHUMANN'S LAVENDER. Rosy-lavender.
416 WINDMILLER'S LILAC. Orchid.

RED

407 SHISLER'S RED. Glowing wine-red.
414 VELVET BEAUTY. Rich American Beauty crimson.

ROSE AND PINK SHADES

363 BETTER TIMES. A true American Beauty rose-red.
375 CHEVIOT MAID SUPREME. Deep rose pink.
377 CHRISTINA. Medium-light pink.
378 CHRISTMAS CHEER. The earliest rose-pink.
395C MARIE LOUISE. Shell pink.
396 MAIDEN'S BLUSH IMPROVED. Appleblossom pink with white tube.
398 MARYLAND PINK. Light pastel pink.
408A ROSE QUEEN. Dark pink

WHITE

397 MARGARET. Ivory white
415 WHITE WONDER IMPROVED. Pure white.

YELLOW

380 ETHEL. Bright yellow
387 GOLD RUSH. Deep Jonquil yellow.
EACH OF THE ABOVE. Pkt., 75c
426 VAUGHAN'S MIXTURE OF GREENHOUSE VARIETIES. A formula mixture of forcing varieties, including the popular pink shades. Pkt., 75c

Antigonon

Culture: C, B, D or E, Page 50

315 LEPTOPUS (MEXICAN MOUNTAIN ROSE). Handsome summer-blooming greenhouse climber, requiring abundance of light. In the South it blooms freely in the open. Flowers beautiful rose-pink. Pkt., 10c

Asparagus ÷

Culture: C. Pot up in Fall, force in greenhouse. Page 50

480 PLUMOSUS NANUS. + 3 ft. Pkt., 40 seeds, 15c

485 SPRENGERI. + Finest material for hanging baskets. Pkt., 40 seeds, 35c.

Begonias

TUBEROUS ROOTED

Culture: D or E, Page 50

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted Begonias for greenhouses and for summer bedding. A little difficult to raise without a greenhouse. Seeds germinate in 20 days.

For Bulbs of Begonia Tuberous rooted
see index on final pages

1103 DOUBLE MIXED. Producing on strong, erect stems an abundance of very double flowers, ranging from brilliant rose to carmine, often with white margin or mottling. Pkt., 50c.

1099 SINGLE MIXED. Saved from finest exhibition varieties having large, well-formed flowers of many tones of red, orange, pink, salmon, etc. Pkt., 35c.

1100 DOUBLE TUBEROUS ROOTED VAUGHAN'S SPECIAL MIXTURE. Form and color weave a magic spell in this cream of a specialist collection containing the lovely camellia and rose flowered forms together with the double fringed types in charming colors from dainty light shades to the richer and darker tones. Flowers 5 to 8 in. across. Seed sown in January or February make good sized plants by August. Leaflet on culture supplied with seed. Pkt., $1.00.

FIBROUS-ROOTED EVER-BLOOMING

Culture: B, C, D or E, Page 50

A continuous flowering class of greatest value for bedding; the flowers are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer, while seedlings of summer make decorative winter house plants.

Begonia seed is very fine. Open packets carefully over a sheet of white paper. Seeds germinate in 20 days.

1071 CHRISTMAS CHEER RED. The blooms attain a diameter of 2 inches. Dark crimson-scarlet. Pkt., 35c.

1096 GLOWING FIRE. The flowers are large intense scarlet red and cover the dwarf uniform plants. Pkt., 50c.

1075 GRACILIS ADELINE. (Improved Darling). Very dwarf habit; bright pink flowers and green foliage, very attractive. Pkt., 35c.

1079 —DWARF LUMINOSA. Extra dwarf scarlet. Pkt., 50c

1082 —INDIAN MAID. 10 in. Bright deep scarlet buds and flowers, lustrous bronze foliage. Pkt., 25c.

1084 —ILE DE FRANCE. The flowers are 1¼ inches to 1½ inches, pure white, with bright yellow stamens. Foliage light green. Pkt., 35c.

1085 —KING OF THE REDS. Dwarf glowing scarlet, foliage green edged bronze. Pkt., 35c.

1087 —MASTERPIECE. Large clear rose-pink flowers. Fairly cover the foliage. Pkt., 50c.

1090 SEMPERFLORENS SPECIAL MIXED. Finely balanced blend of full color range. Pkt., 25c.

The following varieties are strong, vigorous, branching early if pinched back.

1097 VAUGHAN'S DEEP ROSE. A rich deep rose red which gradually fades to a luminous pink. Pkt., 50c.

1098 VAUGHAN'S WHITE. Small flowered but very freely produced. Pkt. 50c.

1092 VAUGHAN'S ROSE BUD. Large rose colored flowers, green foliage. Pkt., 35c.

1093 VAUGHAN'S SNOW FAIRY. Pure satin white flowers, yellow stamens, green foliage. Pkt., 35c.

Browallia

1155 SPECIOSA MAJOR. Large bright blue flowers with a white throat. Very free flowering. Pkt., 35c.

Calceolaria +

Culture: C. Pot up in Fall, force in greenhouse. Page 50

1179 HYBRIDA MULTIFLORA NANA MIXED. The average size of the blooms is only 1½ inches, but the amount of flowers produced is unsurpassed. The color scheme is extraordinarily gay and full of contrast. Pkt., $1.00

1184 HYBRIDA GRANDIFLORA TRIUMPH STRAIN. A truly outstanding strain. Bright shades of yellow, orange, red and rose; the flowers are large and mostly tigered or spotted. This strain produces bushy, shapely plants with clean foliage. Pkt., $1.00.

Cineraria Hybrida +

Culture: C. Pot up in Fall, force in cool greenhouse. Page 50

1715 VAUGHAN'S COLUMBIAN MIXTURE. A mixture of the finest strains; the flowers from 7 to 9 inches in circumference, brilliant colors. Pkt. (75 seeds), 25c.

1716 CREMER'S PRIZE MIXTURE. The petals in most of the blooms of this strain are wide, numerous and overlap well to form attractive heads. The plants can be finished in smaller pots, too, making shapely specimens covered with masses of blooms. Pkt., 50c.

1717 MULTIFLORA NANA MIXED. Plants of dwarf compact habit with small foliage. Large close heads of medium sized flowers in colors ranging from blue to purple, rose, pink and red. Pkt., 35c.

Coleus

Culture: D or E, Page 50

Decorative plants with foliage of brilliant varied colors, many having fantastic markings. Plant in full sun for complete development of color. Pinch out the growing points to make well branched plants. Make good house plants. Seeds germinate in 10 days.

1855 VAUGHAN'S RAINBOW MIXTURE. 1-2 ft. The handsomest foliage plant obtained from seed. The leaves are very large and their color combinations are remarkably rich. Pkt., 35c.

1864 GLORY. 1-2 ft. A mixture of bronze, pink, apricot, cream, etc. A remarkably fine strain; unequaled for the beautiful form and coloring of its large leaves. Pkt., 50c.

1857 LARGE LEAVED MIXED. Pkt., 35c.

Cyclamen

PERSICUM GIGANTEUM +

Culture: C. Pot up in Fall, force in greenhouse. Page 50

2005 BONFIRE. Brilliant salmon.
2006 DARK SALMON.
2007 LIGHT SALMON.
2008 PURE WHITE.
2009 VICTORIA IMPROVED. Fringed bright salmon.
EACH OF THE ABOVE, 10 seeds 25c; 25 seeds 60c
2010 MIXED. Large, colorful fragrant blooms on strong erect stems, well above the ornamental foliage. It takes nearly 18 months to produce blooming plants from seed. 10 seeds, 25c; 25 seeds, 60c.

Dracaena Indivisa □ +

Culture: D, E or C, Page 50

2350 Ornamental leaved plants; long, narrow, green-leaved foliage. 2 ft. Pkt., 10c.

Exacum

2445 AFFINE. An easily grown pot plant with sweetly scented flowers of bright mauve. Pkt., 35c.

2445 **EXACUM Affine.** Pkt., **35c.**

KEY TO SYMBOLS: □ Annuals. ✱ Biennials. ① Perennials. ÷ Greenhouse Plants. + House Plants. ≡ Climbing Plants. ✕ Rock Garden Plants.

1184 CALCEOLARIA Hybrida Triumph. Pkt., $1.00.

1716 CINERARIA Cremer's Prize Mixture. Pkt., 50c.

2560 GLOXINIA Vaughan's International Mixture. Pkt., 25c.

4477 PRIMULA Malacoides Mixture. Pkt., 35c.

Home Greenhouse and House Plants from Seed

Freesia □ ÷

Culture. D, E or C, Page 50

Sow the seed in cold frame in the middle of May, covering them with sash for three weeks, until the plants are up; then gradually remove the sash so that the plants will become accustomed to the air.

Lift the plants in the middle of September and plant in cold house. They will flower in January with nice large blooms and long stems.

2455 RAINBOW HYBRIDS. A mixture of colored varieties. Pkt., 25c.

Fuchsia

2460 DOUBLE AND SINGLE MIXED. From a choice collection of plants, including Storm King and others. Pkt., 35c.

Gloxinia +

Culture: D or E, Page 50

2560 VAUGHAN'S INTERNATIONAL MIXTURE. Magnificent house-blooming plants, with handsome bell-shaped flowers in a diversity of the richest colors. These seeds are very small and require care in handling, but start very readily when sown in pans or pots on finely sifted soil and watered from beneath. 12 in. Pkt., 25c.

Grevillea ÷

Culture: D or E, Page 50

2675 ROBUSTA (SILK OAK). 1 to 5 ft. Grows rapidly from seed, and is pretty in all stages of growth, with its long, drooping, silky foliage. Pkt., 15c.

2846 HOUSE PLANTS MIXED. A mixture of the following: Begonia, Calceolaria, Cineraria, Cyclamen, Primula Malacoides, and Obconica Mixed. Pkt., 50c.

Impatiens

Culture:, A or B, D or E., Page 50

One of the best for pot culture and planting in a shaded situation. Remarkable for duration of bloom. Excellent greenhouse plant. Seed germinates in 15 days.

2875 HOLSTII. 1½ ft. Of rapid, vigorous growth, producing large flowers of salmon-scarlet. Pkt., 25c.

2880 HOLSTII HYBRIDS. Range from pink through red shades to purplish-violet. Pkt., 25c.

2881 SULTANI. Bright rose. Pkt., 25c.

2882 SULTANI HYBRIDS. Colors range from pale pink to dark crimson. Pkt., 25c.

2884 SULTANI NANA CARMINE. Compact and free flowering. Pkt., 50c.

2883 SULTANI NANA DWARF MIXED. Flowers continuously in many shades. Pkt., 50c.

Irish Shamrock

4761 This is the true Irish strain. Started in a sunny window in January or February it will produce sturdy plants by St. Patrick's day. A species of clover. Pkt., 15c.

Kalanchoe

Culture: D, C or E, Page 50

2915 HYBRIDA BRILLIANT STAR. Showy window succulent, with attractive fleshy foliage and big trusses of vividly red blossoms. Pkt., 35c.

2916 YELLOW DARLING. Flowers of a strong lemon-yellow of outstanding brightness. These flowers together with the shining green leaves make it a perfect plant for flower arrangements. Plants are dwarf and compact. Pkt., 50c.

Marigold □

Culture: D or E, Page 50

3122 LIEB'S WINTER FLOWERING. Mahogany brown with golden yellow crested center. Pkt., 25c.

3145 FRENCH TALL DOUBLE WINTER HARMONY. Golden orange center, reddish brown guard petals. This is an entirely new type for winter flowering in the greenhouse. Very uniform growth, long stems, 2½ inch flowers, and comes 100% double and true to type. Pkt., 25c.

Pansy □

Culture: A, B or C, Page 50

3841 VAUGHAN'S LONG STEMMED WINTER FLOWERING RE-SELECTED MIXED. It has a much wider color range than the original Winter Flowering strain and has an excellent stem length, averaging better than 10 in. The bloom size is from 2½ to 3 in. and the flowers are of very good substance. Sow in summer for Midwinter blooming. Pkt., 50c.

Primula ÷

Culture: D, C or E, Page 50

4465 CHINESE VAUGHAN'S INTERNATIONAL MIXTURE. Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. 12 in. Pkt. (100 seeds), 75c.

PRIMULA—VARIOUS SORTS

Culture C (May-July). Pot up July-Sept., Page 50

NEW GIANT MALACOIDES—16 IN.

4472 GLORY OF RIVERSIDE IMPROVED. True rose pink. Pkt., 35c.

4473 LILAC BEAUTY. Pure soft lilac. Pkt., 35c.

4474 PURE WHITE. Pkt., 35c.

4471 TRUE ROSE. A true rich pink. Pkt. (about 100 seeds), 35c.

4477 MALACOIDES MIXED. Flowers are larger, stems are heavier; foliage is stiffer, more upright and heavier. Flowers have more substance and last longer. Pkt., (50 seeds), 35c.

PRIMULA OBCONICA GRANDIFLORA

Culture: D or E (Jan.-April); C (May-July). Winter in greenhouse. Germination 3-4 weeks. Page 50

4486 AVALANCHE. Pure white. Pkt., 50c.

4487 FASBENDER RED. Large rich deep red. Pkt., (200 seeds), 50c.

4488 LACHSROSA. Beautiful salmon rose. Pkt., 50c.

4489 SKY BLUE. Extra large flowers. Pkt., 50c.

4495 OBCONICA GRANDIFLORA MIXED. Good mixture. Pkt., (200 seeds), 25c.

4496 GIGANTEA WYASTON WONDER. The huge heads of bright crimson flowers are carried on strong stems well above the foliage. In spite of the vigorous growth, Wyaston Wonder makes a compact and tidy plant. Pkt., 50c.

Saintpaulia

(AFRICAN VIOLET)

4587 IONANTHA GRANDIFLORA. Large dark blue flowers which resemble violets, produced very freely; plants having as many as 25 blossoms and more at one time. Attractive small velvety leaves which are almost stemless, form a neat cushion from which rise these attractive flowers. Pkt., 50c.

Schizanthus

POORMAN'S ORCHID

Culture: A or B, D or E, Page 50

Beautiful bushy plants covered with dainty flowers handsomely marked with contrasting colors. Seeds germinate in 20 days.

4758 BRIDAL VEIL. Pure white. Pkt., 35c.

4754 PANSY FLOWERED (Danbury Park Strain). Large blooms of Pansy shape, in rich pink, crimson mauve, purple and white. Pkt., 35c.

4756 MONARCH STRAIN. This is the brightest mixture of rose and appleblossom pink, salmon, crimson, deep violet purple and many indescribable variations which make this a riot of color. All are heavily veined in gold. Pkt., 25c.

4757 VAUGHAN'S EXCELSIOR HYBRIDS. A choice strain with very large flowers with handsome markings on white, buff, rose, blue and purple ground. Pkt., 25c.

4753 VAUGHAN'S DWARF "MASTERPIECE." This is the best strain in existence. The plants grow dwarf and compact, making them most suitable for pot culture. The flowers vary from light pink to dark violet. Pkt., (100 seeds), 50c.

Solanum

Culture: D, C or E Page 50

4774 CHRISTMAS CHERRY IMPROVED. Uniform bushy plant, large round red fruit is freely produced. Pkt., 25c.

4776 GOLD BALL (PATTERSON). The rich yellow fruit, of medium size, is freely produced on compact plants, well above the foliage. Pkt., 25c.

Stocks

NON-BRANCHING COLUMN

These produce one stem, 2½ ft. high, thickly set with large double flowers.

4963 DEEP APRICOT. A rich warm buff with a faint tinge of pink. Pkt., 50c.

4952 GARDENIA. Shimmering, glistening white, the flowers are the purest snow white. Pkt., 50c.

4954 PURPLE HEART. Bright violet purple. Pkt., 50c.

4956 SILVERY LILAC. Lilac lavender. Pkt., 50c.

4962 SUPREME. Rich silvery rose. Pkt., 50c.

4957 VAUGHAN WHITE NO. 1. Large flowers of purest white. Pkt., 50c.

4958 MIXED. A specially prepared formula which includes the above and others. Pkt., 50c.

Streptocarpus

(CAPE PRIMROSE)

Flowers attain a diameter of 2 inches and over. Borne on long wiry stems, they last long when cut. An excellent pot plant for winter blooming.

4990 MIXED. A blend of rich colored sorts from prize varieties. Pkt., 50c.

Tigridia

5641 MIXED (SHELL FLOWER OF MEXICO). Few flowers are more gorgeously colored or more beautiful. "Beauty for a day" is another name for it. Sends up leafy stalks which bear strikingly beautiful flowers in succession. Treat as a Gladiolus in the north. Pkt., 25c.

FIRMING THE SOIL

MARKING THE ROWS

SOWING THE SEED

COVERING THE SEED

SOWING SEEDS IN THE INDOOR BOX

Flower Seed Cultures—How to Sow

IN FIVE paragraphs below, designated A, B, C, D and E, we cover in considerable detail the methods of starting flower seeds which are available to the amateur without a greenhouse, and which cover well the needs of an outdoor garden. In the flower seed section in the case of each flower listed, information is given as to the cultural methods which can be used for that subject.

While our cultural instructions are definite, detailed and exceptionally thorough, they should be supplemented by reading in good gardening books and by obtaining, at first hand, advice from successful gardeners in your neighborhood. Success in gardening requires study, and the opportunity for enlarging one's information and trying out new things is one of the most fascinating features of gardening.

A **Sow in the bed, border or row where the plants are to grow.** The soil should be loamy, with well pulverized surface. With heavy soil inclined to cake and crack, it is usually best to grow plants in a seed bed (B) and transplant to the permanent place. Loosen the soil where seeds are to be sown, with the trowel, or hoe, several inches deep. Rake smooth. Broadcast small seeds and cover them lightly four or five times their diameter. Very small seeds may be merely pressed in. Larger seeds may be planted singly, well covered, but more thickly than plants are wanted. Firm the soil well over the seed. Watering now becomes of great importance. At no time should the soil be allowed to become hard and dry, yet excessive watering may cause the seeds to rot, sour the soil, or cause "damping off." When the plants appear, thin them out, allowing each to grow singly, without crowding. The distance between them is governed by their ultimate ize and spread. Excess plants may usually be moved to a new location.

B **Sow in outdoor seed bed, to be transplanted.** The seed bed in the open should be of loose, mellow loam, raised slightly above the surrounding surface, and preferably surrounded by a wooden curb, to prevent rain washing across it. It should not be wider than four feet, so it can be worked easily. Shelter from high winds is valuable, but damp and shady corners are not desirable. Full sun is advisable when seedlings are up, while shade when needed, as in midsummer for perennial seedlings, is best supplied by a lath or cloth canopy, which can be removed in damp and cloudy weather. Sow the seeds in rows which may be as close as five inches. Sowing and watering are the same as described in "A" above. Seedlings may be transplanted when they make true leaves, the second pair of leaves to appear; or they may be left until larger before being moved to their permanent location. Perennials should be moved from the seed bed to a nursery row, to grow until fall before being moved to the border.

C **Sow in flat, pot or pan outdoors or in a cold frame.** This method is applicable to slow germinating subjects, some of which may take a year to germinate. Fill the receptacle with potting soil as described in "D," firm the soil and broadcast the seed, covering four or five times their diameter. Place the receptacle in a shaded location, where there is free air circulation. During the spring, summer and fall, water often enough to prevent soil from drying out. A mulch of peat moss will help retain moisture. In winter, place in a protected place outdoors and cover with leaves. Have patience with slow germinating subjects; do not disturb too quickly. Any live seed will eventually grow if given time enough, provided soil, moisture supply, etc., are right. When seedlings appear and make true leaves, transplant to pots, nursery row or permanent location. If moss forms on soil surface, sprinkle fresh earth over top.

D **Sow indoors in a box, pot or pan.** This method may be followed where there is a window facing south, enjoying sunlight most of the day. Use a standard florists' pot or pan (shallow pot) or a "flat," which is a shallow box, with holes bored in the bottom for drainage. Cover the drainage holes in pot or box with broken pottery; fill with potting soil. This is a mixture of half sand and half black loam. It may be obtained from florists. Firm the soil, and sow the seeds in rows, marking each row to identify the sowing. Water by setting the box or pot in water, so that it soaks up from below, or use a fine spray which does not wash the soil. Place in a dark place, covered with a wet newspaper blanket until the seeds sprout. As soon as sprouts appear bring into full light. Cover the box or pot with glass to check evaporation, but when moisture collects on glass wipe it off, and prop up one end of the glass to allow air to circulate during the sunny part of the day. A temperature not below 50 degrees at night, or 75 degrees by day, is best. Do not allow the soil to dry out. When the seedlings have made true leaves (the second set), they should be transplanted to other flats, giving at least two inches of space apart; or they may be moved to small pots or to an outdoor seed bed or border.

E **Sow in a hotbed or cold frame.** A cold frame or a hotbed heated by manure or other means may be used. The best method with flower seeds is to sow seeds in flats, which are placed in the frame. With manure heated beds, seeds should not be sown until the temperature of the newly made bed has dropped to 90 degrees. Watering and ventilation are important. On sunny spring days, always prop up one end of the sash to prevent overheating, which may occur quickly and cause spindly growth. Do not allow the soil to dry out. When the seedlings have made true leaves, they should be transplanted to other flats, spaced two inches apart each way; or to the soil in the hotbed, or to an outdoor location, if late enough.

GARDENING BOOKS

All Books on This Page Postpaid

ALL ABOUT HOUSE PLANTS. By Montague Free. At last—the complete, practical, readable book of **indoor** gardening! Full information on what to grow and how to grow it—in 20 chapters that cover window boxes, bottle gardens, terrariums, submerged gardens, soils, pots, fertilizers, vegetables, watering, light, temperature, humidity, ventilation, pruning, training, propagation, insect pests, etc. Indexed. 329 pages. 27 full color illustrations and over 65 line drawings. $3.50.

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Plants of Perennial Flowers

DICENTRA Spectabilis

Anchusa
(African Forget-Me-Not)

ITALICA, DROPMORE VARIETY. 5 ft. June-July. Gentian flowers. **Plants,** each 60c; 3 for $1.50; doz., $4.75.

Anemone
(Windflower)

PULSATILLA (PASQUE FLOWER). 1 ft. Deep blue, bell-shaped flowers in April are followed by tasseled seed-pods, decorative in themselves. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

Arabis (Rock Cress)

ALPINA. 1 ft. April. Pure white. **Plants,** 50c each; 3 for $1.25; doz., $4.25.

Artemisia

SILVER KING. 3 ft. Its striking gray stems and leaves and rapid branching habit stamp it as unique among foliage plants for its slender ghost-like appearance. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

Hardy Asters

BEECHWOOD CHALLENGER. 2½ ft. Darkest red of all.

HARRINGTON'S PINK. First true pink Hardy Aster. Large flowers of luminous true pink.

ROYAL BLUE. A deep blue. Produces myriads of large, showy flowers.

WHITE LADY. Large, graceful white flowers in profusion.

All above 60c each; 3 for $1.50; doz., $4.75.

COLLECTION. One each of the above four varieties, $2.00.

PEACE. 3½ ft. Bears pinkish lavender semi-double flowers fully 2 inches across. They are produced in immense quantities and are excellent for cutting as well as produce a magnificent effect in the garden from early September until late October.

PLENTY. 3½ ft. Lovely soft blue flowers are semi-double and 2 inches in diameter, produced in immense quantities. It commences to bloom in early September and lasts well into October. Exceptionally fine for cutting.

PROSPERITY. 3½ ft. Large, deep, rosy pink flowers in masses appear in early September and lasts well into October. This is one of the finest of the pink Novi-Belgi.

Plants of above three, each, 75c; 3 for $1.95; doz., $5.75.

Asclepias
(Butterfly Weed)

TUBEROSA. 2 ft. One of the showiest of our native perennials, producing from July until frost brilliant orange flowers. Seed pods if gathered just as they begin to open make attractive winter bouquets. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

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Please remember that a plant is a living organism, it feeds, drinks and breathes and must be cared for accordingly.

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ROYAL HYBRIDS. A fine color range. Trailing habit. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

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HARDY PERENNIAL MIXED. A mixture of thirty hardy Centaureas. A real treat is in store for those who plant this mixture, as it will be a means of securing plants of unknown and unlisted sorts of various forms and colors. **Plants, (mixed only)** each, 50c; 3 for $1.25; doz., $4.25.

Campanulas
CANTERBURY BELLS

The Canterbury Bells are biennials, that is, from seed sown one year, the plants will bloom the following year, and the plant then dies. To keep up a yearly display they should be sown annually.

DOUBLE	SINGLE
BLUE.	BLUE.
PINK.	LILAC.
WHITE.	PINK.
MIXED.	WHITE.
	MIXED.

Plants, mixed shades each, 50c; 3 for $1.25; doz., $4.25

COREOPSIS Double Sunburst.

AQUILEGIA Vaughan's Special Mixture

Garden Carnations

CRIMSON KING. 2 ft. Closely resembling a greenhouse Carnation in size and habit of growth. Large, fragrant, bright crimson blooms of velvet texture borne in profusion in June and continuing until frost. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

BEATRICE. Everblooming, cluster flowered. Warm salmon pink flower clusters measure 3 to 4 inches across, giving the impression of one huge flower. They are fragrant, and are produced intermittently from June until frost. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

SILVERMINE. Finest all-double white. Often as many as eight in one cluster. Flowers intermittently all summer long. Wonderfully fragrant. Excellent for cutting **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

COLLECTION. One each of the above 3 varieties for $1.50.

GRENADIN-20 in.

MIXED. Plants, each, 50c; 3 for $1.25; doz., $4.25.

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DOUBLE SUNBURST. The flowers are double, 1½ to 2 inches across, excellent for cutting, as the flowers are fine keepers and the plants easy to grow. Comes about 80% double. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

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(Aquilegia)

AQUILEGIA VAUGHAN'S SPECIAL MIXTURE. A complete collection including the long-spurred, and non-spurred, tall and dwarf types. **Plants,** Mixed only, each 50c; 3 for $1.25; doz., $4.25.

LONG-SPURRED CRIMSON STAR. The brightest red Columbine, long spurs and outer petals, rich crimson, center petals white; Three-inch flowers on 2 foot stems. **Plants,** each, 60c; 3 for $1.50, doz., $4.75

MRS. SCOTT ELLIOTT'S STRAIN OF LONG-SPURRED HYBRIDS. The blooms are of large size and the spurs very long The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc., with soft pastel tones dominating. **Plants,** each, 50c; 3for $1.25; doz., $4.25.

Dictamnus (Gas Plant)

FRAXINELLA. 3 ft. May-June. Large spikes of deep pink purple-veined flowers. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

Dicentra (Dielytra)
(Bleeding Heart or Seal Flower)

SPECTABILIS. Its long racemes of graceful heart-shaped pink flowers are always attractive Is perfectly at home in any part of the hardy border, especially in the shade. **Plants,** each, $1.00; 3 for $2.65; doz., $7.25.

Hardy Delphiniums

PACIFIC GIANTS

BLUE BIRD. A clear medium blue with white bee with high tall spikes

BLACK KNIGHT. Large flowers of varying dark violet shade.

BLUE JAY. From medium to dark blue with dark bee.

CAMELIARD SERIES. This is a pure lavender shade with white bee.

GALAHAD. Clear white, highly mildew resistant.

KING ARTHUR. Royal violet, large white bee.

PERCIVAL. The large glistening white flowers with strongly contrasting black bees are beautifully spaced on long tapering spikes. Very vigorous and free growing habit.

GUINEVERE. Light pink lavender with white bee.

SUMMER SKIES. Light blue with white bee.

CLEAR WHITE. Of glistening texture.

ROUND TABLE SERIES. As the name implies this represents all of the color combinations of the above. Strong 1 yr. plants. Price on above 11 varieties each, 75c; 3 for $1.95; Doz. $5.75.

BLUE JAY · GALAHAD
GUINEVERE SUMMER SKIES
KING ARTHUR

Collection No. 52B, one plant each of 5 varieties above. $3.25.

BELLADONNA IMPROVED CLIVEDEN BEAUTY. 2 ft. June-July. Exquisite turquoise blue. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

BELLAMOSUM IMPROVED. Large deep blue flowers, uniform in color, with a white bee. Blooms 2½ inches across. **Plants,** each 50c; 3 for $1.25; doz., $4.25.

WREXHAM HOLLYHOCK-FLOWERED STRAIN, MIXED. Giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor 1½ to 2 inches in diameter, many double.
Plants, each 50c; 3 for $1.25; doz., $4.25.

Dianthus Barbatus

MIDGET SINGLE MIXED. 3-4 in. Alpine Sweet William, uniform habit. The color range is from white, chamois, salmon, scarlet, brick red to maroon, with most blooms tri-colored. **Plants,** mixed only, each, 50c; 3 for $1.25; doz., $4.25.

New Everblooming Sweet William

LATIFOLIUS ATROCOCCINEUS FLORA PLENA. A beautiful summer blooming variety as it bears brilliant fiery crimson blooms all through the season. Very hardy and a sturdy grower. **Plants,** each; 60c; 3 for $1.50; doz., $4.75.

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SPRING BEAUTY. Double giant-flowered Grass Pinks, Carnation-like in form and size and with a beautiful range of color. Very fragrant. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

VAUGHAN'S SPECIAL MIXTURE. A grand selection of Clove Pinks of the above Plumarius type and others. **Plants,** each, 45c; 3 for $1.15; doz., $3.75.

Funkia (Hosta, Day Lily)

SUBCORDATA GRANDIFLORA. Flowers white, large green leaves. One of the best perennials for shade. **Plants,** each, 75c; 3 for $2.00; doz., $6.25.

VARIEGATA. Most attractive variegated border plant. Well adapted to the shade. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

Gypsophila (Baby's Breath)

PACIFICA. 4 ft. Withstands both severe winter and extreme heat. The seedlings form dense bushes with myriads of tiny pink blossoms. **Plants,** each, 65c; 3 for $1.75; doz., $5.50

PANICULATA BRISTOL FAIRY (DOUBLE BABY'S BREATH). Early double pure white large flowering perennial Baby's Breath. Produces a second crop of spikes. **Plants,** each, 75c; 3 for $2.00; doz., $6.25.

PANICULATA DOUBLE SNOW WHITE. 2-3 ft. July-Aug. A great improvement on the single-flowered type and more lasting. **Plants,** each, 75c; 3 for $2.00; doz., $6.25.

DELPHINIUM Pacific Giants

Gaillardias

BURGUNDY. 2 ft. Shining wine-red flowers, 2½ in., from June until fall. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

DAZZLER. Large golden yellow flowers with rich maroon center. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

GOBLIN. 12-15 in. First real dwarf, covered with showy deep red flowers yellow bordered. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

PORTOLA HYBRIDS. 2½-3 ft. The flowers are nearly 4 inches; brilliant scarlet intensified by golden yellow tip. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

Helianthemum

MUTABILE (ROCK ROSE). 8-12 in. Low-growing evergreen plants forming large clumps, completely covered with bloom during July and August. Pale rose changing to lilac, then to white. Excellent for rockeries. Mixed colors. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

HEMEROCALLIS

Heuchera (Coralbells)

SANGUINEA. 2 ft. July-Aug. Long stems of large crimson-scarlet flowers. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

HEUCHERA (CORAL BELL) ROSEA

Plants have rosette-like clumps of attractive foliage from which dainty stems arise to a height of 18 inches. Small bell-like flowers from panicules at the upper part of the stem. Very dainty and attractive in beds or when cut. We offer the ROSEA variety which has a beautiful deep pink color.

Field Grown, Transplanted Plants Only. Each, 60c; 3 for $1.50; doz., $4.75.

New Hemerocallis

LINDA. Pastel bi-color of pale yellow and cinnamon, with crinkled petals. 38 in. stems. July. Each, $1.00; 3 for $2.65; Doz., $7.25.

MIKADO. Orange with spot of mahogany red on each petal June to August. 36 in. stems. Each, 75c; 3 for $1.95; doz., $5.75.

SERENADE. A subtle pastel combination of yellow and pink with petals that are twisted and crinkled. Blooms June and July. Height 4 to 5 ft. Each, $1.00, 3 for $2.65. Doz., $7.25

SIR MICHAEL FOSTER. 4 ft. Large ruffled, fragrant flowers of clear yellow without a mark of any kind. June, July. **Plants,** each, 75c; 3 for $1.95; doz., $5.75.

COLLECTION: One each of the above 4 varieties, $2.60.

IMPROVED HEMEROCALLIS

HYPERION. The finest Citron yellow available. Delightfully fragrant. 40 in. Blooming July. Each, $1.00; 3 for $2.65; doz., $7.25.

IMPERATOR. Star Shaped blooms of orange red lined with sulphur. 40 in. Blooming July and August. Each, 60c; 3 for $1.50; doz., $4.75.

KWANZO FLORA PLENA. Large, double golden bronze blooms. A really unique variety. Height 36 inches. Blooms July and August. Each, 60c; 3 for $1.50; Doz., $4.75.

MODESTY. Large flowering pale yellow. 30 in. June and July. Each, 75c; 3 for $1.95; doz, $5.75.

OPHIR. 50 in. Deep golden yellow trumpet shaped flowers 5 inches across, borne 25 to 30 to a stem. **Plants,** each, 75c; 3 for $1.95; doz., $5.75.

SOVEREIGN. 30 in. Received an Award of Merit of the Royal Horticultural Society. Fine deep yellow. June **Plants,** each 60c; 3 for $1.50; doz., $4.75.

COLLECTION: One each of the above 6, $3.00.

Hibiscus (Rose Mallow)

AVALON HYBRID. 3 ft. A new hybrid strain. Flowers mostly of bell shape, and vary from blush through pink, rose and vivid reds. Bloom until October. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

JUMBO RED. 3 ft. A special selection made to improve color and size of the flower of the Mallow Marvels Red. **Plants,** each, 55c; 3 for $1.35; doz., $4.50.

MALLOW MARVELS, MIXED. 3-5 ft. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

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VAUGHAN'S SPECIAL MIXTURE. Mixture of all the best double varieties with new French strains. **Plants,** Mixed Colors. Each, 45c; 3 for $1.15; doz., $3.75.

Iberis (Perennial Candytuft)

GIBRALTARICA. Pinkish white. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

Lavender (Lavendula)

MUNSTEAD STRAIN. 1 ft. A most valuable variety. A month earlier than the common Lavender. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

Lathyrus Latifolius

(Hardy Sweet Pea)

WHITE PEARL. Large white. **Plants,** mixed, each, 50c; 3 for $1.25; doz., $4.25.

Liatris Kansas Gay Feather)

SCARIOSA SEPTEMBER GLORY. A giant 6-ft. spike solidly covered with purple flowers from top to bottom. The flowers, unlike the common variety, come into bloom all at the same time creating a marvelous effect. **Plants,** each, 75c; 3 for $1.95; doz., $5.75.

Linum (Flax) 12 to 18 in.

PERENNE BLUE. 2 ft. May-Aug. Has dainty sky-blue flowers on graceful arching stems. Blooms produced continuously in profusion. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

Lobelia

CARDINALIS (CARDINAL FLOWER). 2 ft. July-Oct. Tufts of bronzy green foliage from which arise spikes of fiery scarlet flowers. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

Myosotis

PALUSTRIS SEMPERFLORENS. True marsh forget-me-not blooming from spring until autumn. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

Pachysandra

TERMINALIS. A trailing plant 6 in. to 8 in. high. Bright, glossy green foliage. Ideal ground cover for the shady spot. 3 for $1.20; 10 for $3.50; 100, $25.00.

Physalis Frachetti

CHINESE LANTERN PLANT. 1½ ft. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese Lanterns, useful in winter bouquets. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

Platycodon
(Chinese Bell Flower)

GRANDIFLORUM. 2-3 ft. Large handsome deep blue flowers. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

Polygonatum

MULTIFLORUM. (Solomon's Seal). Pendant sprays of white flowers on 2 foot stems. Thrives in deep shade. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

Poterium

OBTUSUM. (Japanese Barnet) 3 ft. July-Sept. A rare hardy perennial; has graceful pinnate foliage and crimson flowers two inches long. Very ornamental and fine for cutting. **Heavy pot plants,** each, $1.25; 3 for $3.00.

Phlox Plants

We offer varieties of Phlox which have proved to be long lived and resistant to disease, in a representative range of colors.

AETNA. Tall, deep scarlet color.
COUNT ZEPPELIN. Large white blooms with vivid bright red eye.
DAILY SKETCH. Large flowers of light salmon pink with carmine eye.
E. I. FARRINGTON. A delightful salmon shade with darker eye.
FLASH. Rich dark red with orange-scarlet center.
JULY LIGHTS. A brilliant carmine red with blood red eye.
LEO SCHLAGETER. One of the brightest of all red Phlox.
LILIAN. Salmon pink with lavender and white shadings.
PRIME MINISTER. Clear pure white, brilliant red center.
STARLIGHT. Orchid with white eye.

On all the above, 60c each; 3 for $1.50; doz., $4.75

COLLECTION NO. 53.
One each of the ten varieties above, $4.50.

SPECIAL VARIETIES OF PHLOX

CHARLES CURTIS. Brilliant cherry red. Very showy.
THOR. Deep salmon-pink with an unusual scarlet overtone. Nicely shaped trusses on strong stems.
MARY LOUISE. New white—large flower heads.
SALMON BEAUTY. Rich salmon pink with white eye.

On all the above four, 75c each; 3 for $2.00; doz., $6.25.

COLLECTION NO. 53A.
One each of the four above, $2.50.

PHLOX SUBULATA (DWARF CREEPING PHLOX)

One of the best rock garden plants. Strong grower with a creeping habit. Multiplies very rapidly. Blooms in May. Very prolific.

LILACINA. Pale lilac lavender.
ATRO-PURPUREA. Dark purple.

Plants of above, 60c each; 3 for $1.50; doz., $4.75.

Pyrethrum Roseum
(Painted Daisy)

ROBINSON'S HYBRIDS, MIXED. A selection made by an English specialist, with a fine color range. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

Rudbeckia (Cone Flower)

PURPUREA. Reddish purple flowers, large brown cone-shaped center. Two to 3 foot stems. Blooms July to October. **Plants,** 60c each; 3 for $1.50; doz., $4.75.

Saponaria (Soapwort)

OCYMOIDES SPLENDENS. Trailing vine-like plant which is a necessity in every rockery. From May until July plants are a mass of rosy pink small blooms. **Plants,** each 50c; 3 for $1.25; Doz., $4.25.

Shasta Daisies

ALASKA. 2-2½ feet. Splendid for cutting. **Plants,** ea., 50c; 3 for $1.25; doz., $4.25.

G. MARCONI RE-SELECTED. The largest Shasta Daisy today, the flowers are around 4 inches in diameter and stems 2½ to 3 ft. long. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

MAJESTIC. This new Shasta Daisy is one of which we are justly proud. Very hardy flowers 5 to 6 inches in diameter with small yellow eye, double double over-lapping circle of petals full and compact without drooping. Stems 30 to 32 inches. Blooms medium early. **Plants,** each, 75c; 3 for $2.00; doz., $6.00.

PHLOX

PLATYCODON

Scabiosa

HOUSE'S NEW GIANT HYBRIDS. 18 in. June-Oct. Large flowers in various shades of lavender. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

Statice

LATIFOLIA (GREAT SEA LAVENDER.) 18 in. Grows in fine lace-like bush form with a profusion of misty purplish-blue blossoms. May be cut and dried for winter bouquets. Unexcelled for filler in floral arrangements. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

Stokesia
(Stokes' Aster)

CYANEA. 18 in. July-Oct. Flowers rich blue. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

Tritoma
(Red Hot Poker)

PFITZER'S HYBRID. Orange scarlet. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

Vinca Minor

BOWLES VARIETY. Glossy leaved plant which makes a fine evergreen for shady locations. Flowers are a charming intense blue. **Plants,** each, 45c; 3 for $1.15; doz., $3.50.

HARDY SWEET VIOLETS

ROYAL ROBE. Lustrous violet blue, very fragrant; opens like Pansy. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

Save Money With 1-Year Untransplanted Perennials
3 for 60c; 6 for $1.00; Dozen for $1.75 Prepaid.

These sturdy, though small, perennial plants are shipped direct from the beds where they have been growing one year. They will stand transplanting shock better than many larger plants and will complete their growth in your border. They are packed in bundles of one variety, and bundles will not be broken at the following prices:

Dozen plants $1.75; 3 Dozen plants $4.50; 5 Dozen plants $7.00; 10 Dozen plants $13.00. All Prepaid.

BROKEN BUNDLES. If you wish less than 12 plants of one variety we will ship 3 plants of one variety for **60c;** 6 plants of one variety for **$1.00,** all prepaid. Not less than 3 of one variety sold.

COLUMBINE. (Aquilegia) Long-Spurred Hybrids. Fine selection of mixed colors.

CANTERBURY BELLS. (Campanula) Double and Single Mixed. Very showy.

CARNATIONS. Hardy Border. Double and single flowers in mixed colors.

DELPHINIUM. Round Table Series. Hybrids. Giant spikes of many colors. Mixed only.

DIANTHUS PLUMARIS. Clove scented garden pinks. An ideal border plant.

GAILLARDIA. (Mixed Hybrids) Mixture of all shades and colors.

HOLLYHOCKS. Chater's Double Mixed. A must for the old-fashioned garden.

PANSY. Swiss Giants. A fine mixture of colors. Giant flowers of good shape and texture.

PYRETHRUM. Robinson's Hybrids. A selection of mixed shades of pink and reds. Unsurpassed for cutting and border effect.

SHASTA DAISY. Alaska. Large single flowers on 2 ft. stems.

Every Home Garden Aids National Defense

In two world wars, vegetable gardens grown by amateur gardeners have made a contribution of vital importance to the food supplies of our country. Their value would be even greater should atom bombs ever fall on our great centers of production and transportation. The normal distribution of fresh vegetables would then be instantly disorganized, and every section of our country might be obliged to depend upon vegetables locally produced, to provide a balanced diet for the population.

There are few sections where local commercial production is adequate. The importance of home vegetable gardens, in such event, is obvious. To plant such a garden thus offers you an opportunity to contribute to the national defense, while at the same time lowering the cost of living for your family, and providing them with the most appetizing and nutritious vegetables they could obtain. No one who has the land on which to grow a garden should fail to do so in so critical a time.

Artichokes

A-1 Artichoke Green Globe. A perennial with edible blossoms that matures second year after planting. It will not stand hard freezing and requires renewing every few years. Pkt., 25c; ½ oz., 75c; oz., $1.50.

Asparagus

Seed Planting. Seed will produce a crop in three years. One ounce produces 300 plants. Roots will produce a crop in two years..

Plant roots two feet apart in rows four feet apart.

Roots (2 yrs old)	Doz.	100	1,000
Mary Washington	$1.00	$3.75	$32.00

If by mail, add postage as follows: 100, 50c.

SEED

A-4 Mary Washington. Most recommended and a rust-proof strain. Pkt., 15c; oz., 45c; ¼ lb., $1.10.

A-5 Paradise. Heavy yielding, producing crop in two years. Pkt., 15c; oz., 65c; ¼ lb., $1.75.

Two Pounds Prepaid

Catalogue prices of peas, beans and sweet corn include prepayment on lots up to and including 2 pounds. For postage charges on larger lots, see Page 96.

Best of the Beans for Home Gardens

Food Value of Snap Beans

In one 3½ oz. cooked portion Green pod beans supply: Vitamin A, 600 I.U., Vitamin B, 20 I.U., Vitamin C, 7 Milligrams.

Wax beans supply: Vitamin A, 410 I.U., Vitamin B¹, 25 I.U., Proteins, 2.3%, Fats, .3%, Carbohydrates, 7.4%.

They also contain significant amounts of calcium, magnesium, potassium, chlorine, sulphur and iron.

QUALITY in beans is measured by stringlessness, by tenderness, or the absence of fiber or "linen" in the pod; by ability to produce well under favorable or adverse conditions and by the length and shape of pod. Round-pod beans are considered of superior quality, while flat-pod varieties excel in yield.

One week before frost proof date, sow bush beans two inches deep, 2-4 inches apart, pole beans, 4-6 inches apart. Harvest pods before seeds form. If picked clean, plants will bear until frost; but young plants yield best and succession plantings are advised.

B-13 Topcrop. 50 days. The new leader in the tendergreen type of green bean. (Gold Medal winner 1950 All America). See Novelty page 4. Pkt., 25c; ½ lb., 50c; lb., 85c; 2 lbs., $1.45.

B-23 Contender. 49 Days. An excellent 1950 introduction of the late Dr. B. L. Wade. Undoubtedly the finest early home garden bush bean and perhaps the best of all sorts. Resistant to common bean mosaic and greasy pod. See Novelty page 5. Pkt., 25c; ½ lb., 50c; lb., 85c; 2 lbs., $1.45.

B-34 Rival. 52 days. A fine introduction of 1949 of W. J. Zaumeyers that was a great improvement over Tendergreen. The bush is not quite so tall as Topcrop, but the plant is very similar. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., $1.45.

B-26 Logan. 52 days. A tendergreen type of bean that bears long, straight, stringless pods and under adverse growing conditions will outyield Tendergreen. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

B-27 Longreen. 52 days. A bean of excellent quality that has round pods of great length. All America honorable mention, 1946. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

B-40 Tendergreen. 52 days. Good sized bush bearing long round pods of medium green color. The pods are straight and stringless and average 6 in. long and ⅜ in. through. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

B-38 Streamliner. 55 days. This is among the most productive of the bush types. The plants bear 7 in. long, ½ to 9/16 in. wide, fleshy pods. The quality is excellent; stringless, nearly fiberless, fleshy, round to flat, straight. Seed clear white, kidney shape, excellent as dry bean and outstanding for baking. Does well in medium heavy soil. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

B-5 Bountiful. 49 days. The earliest flat pod variety and extremely popular in the home garden. Pods are a clear light green, wide, flat, fleshy, slightly fibrous, but entirely stringless, brittle and tender. The seeds are a solid straw color or brownish yellow. Does well in any soil. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

B-16 Giant Stringless Green Pod. 53 days. Stringless, tender, good flavor, good canner and home garden sort. Does best in heavy soil. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

B-39 Stringless Green Pod. (Landreth Stringless). 50 days. Medium sized bush, productive, bearing long, round pods of good color. Stringless, fleshy and nearly straight. Does best in heavy clay soil. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

B-4 Black Valentine Stringless. 52 days. Medium sized bush bearing fine long round, stringless, attractive uniform pods. Excellent shipper and selected by many market gardeners as the best quality early shipper. Does best in heavy soil. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

Luxury Lima Beans

LIMAS should be planted with the eye down. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space, but the Pole Limas yield better. One week after frost proof date sow seeds two inches deep, and thin plants of small seeded bush and all pole varieties to stand 6 inches apart, all large seeded bush to stand one foot apart. Plants kept picked clean will bear until frost.

BUSH

B-31 Triumph. 72 days. All America winner, 1949. A new type that is in between Fordhook and Baby Fordhook in size, and which gives a heavy yield under adverse conditions. Of fine quality, especially suited to freezing and canning. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.45.

B-15 Fordhook No. 242. 73 days. We recommend this variety in preference to Fordhook Bush, which it resembles in size and quality, but which it will outyield under adverse conditions. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.45.

B-14 Fordhook Bush. 75 days. Plant is large, erect and heavily productive. The seeds are large, white, very thick and plump. Highly adapted to freezing. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.45.

B-42 USDA No. 2 Henderson. 65 days. Popular as an early home garden variety. Pods short, flat, containing 3 to 4 small oval beans. Green shell beans of excellent quality. Plant medium size and heavily productive. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.45.

B-2 Baby Fordhook. 70 days. Small plant with vigorous branch and leaf growth. Foliage darker than Fordhook and more productive. Excellent small thick beans for canning and freezing. Cross of Fordhook and Henderson. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.45.

B-6 Burpee's Improved Bush. 75 days. Plant large and spreading and quite productive. Pods broad, flat, usually with 4 large thick greenish seed. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.45.

B-7 Cangreen. 65 days. A new green seeded Henderson type of lima well adapted for freezing. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.45.

POLE

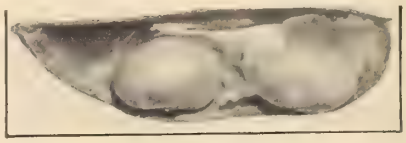
Packet plants, 15 hills; lb., 100 hills.

B-24 King of the Garden. 88 days. Outstanding pole lima for heavy production and climbing ability. Numerous large pods filled with 5 to 6 large beans of excellent quality. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

BABY FORDHOOK. Pkt., 15c.

USDA 2 Henderson, Pkt., 15c.

Edible Soy Beans



Soy Beans have proteins, 36.5%; fats, 17.5%; compared with Navy Beans' proteins, 22.7%; fats, 1.5%. They are esteemed highly as a food for diabetics.

B-3 Bansei. 90 days. Most recommended for northern districts. Pods turn from a pale green to a pale greenish yellow. Pkt., 10c; ½ lb., 30c; 1 lb., 50c; 2 lbs., 75c

COMMERCIAL BEANS

B-19 Great Northern. 90 days. Hardier and heavier vine than the Navy, having a longer pod and larger beans. One of the most important dry edible commercial beans grown. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c

B-28 Michelite. 95 days White Navy or Boston Pea-Bean (Michigan Navy). Resistant to mosaic and bacterial blight. It is the most widely known and grown of the commercial beans. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

Pole Beans

POLE varieties are less hardy than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about two to three feet apart, and in each hill plant six to eight beans, thinning to the four strongest. A package plants 15 hills; 1 lb., 100 hills.

B-21 Kentucky Wonder or Old Homestead. **65 days.** The leading pole bean, the best known and most widely used. The pods are fleshy and 7 to 10 inches long and stringless when young. Kept picked they will bear all season. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

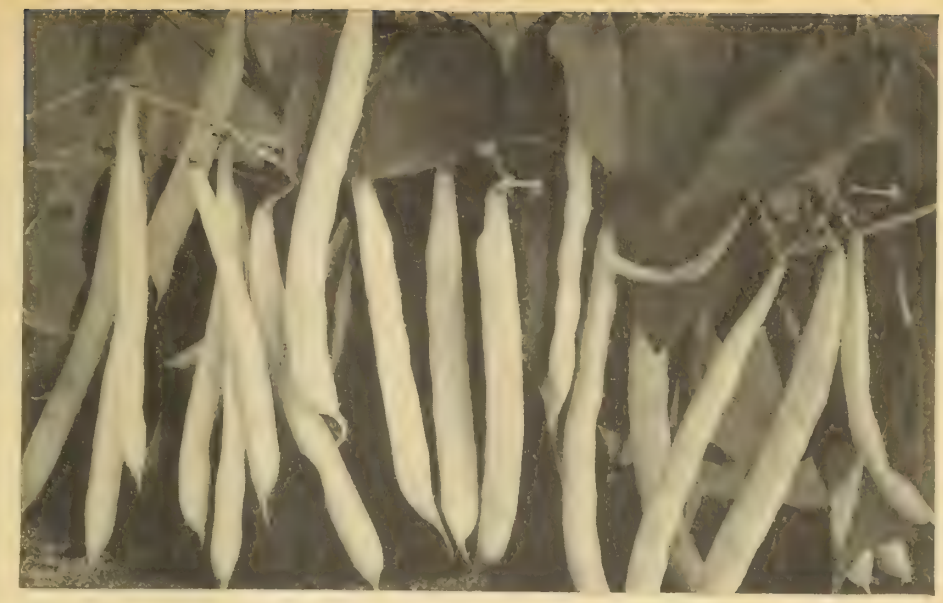
B-22 Kentucky Wonder Wax. **65 days.** Unsurpassed within the wax-podded pole variety field. A very heavy producer of attractive, high quality pods. Also good for green shell beans. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

B-44 Burger's Stringless or White Seeded Kentucky Wonder. **63 days.** Popular because adapted to freezing and stringless. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

B-25 Lazy Wife or White Cranberry. **74 days.** Fine for snap or green shell beans. Also a good dry shelled bean. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

B-36 Scarlet Runner. **65 days.** Outstanding bean for its ornamental purposes but may also be used for green shell beans. Has large beautiful scarlet blossoms. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

B-48 Yard Long or Asparagus Bean. **70 days.** Bears a long, round pod of 18 to 28 inches long, ¼ inch in diameter, light green, nearly round, fleshy, good quality when young. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.



B-10 WAX-POD BEAN CHEROKEE. Pkt. 15c.

Best Wax-Pod Varieties

B-10 Cherokee. **53 days.** Originated by the South Carolina Experiment Station, this won an All America award for 1948. The plants are vigorous, prolific, uniform, with long, straight, and meaty golden yellow oval pods of good quality. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

B-17 Golden Bountiful Wax. **53 days.** Plants large and very productive. Pods deep yellow, wide, thick, flat, fleshy and stringless. Seed purplish black. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

B-18 Gold Standard Wax (Davis Stringless). **52 days.** Plant medium large and fairly productive. Pods 6 in. long, ½ inch wide, thick, flat, stringless, straight, some fiber. Good color and quite hardy. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

B-29 Pencil Pod Wax. **55 days.** Plant large, strong, and bears an abundance of pods over a long period making it excellent for home garden use. Pods 6 in. long, 7/16 in. broad. Nearly round, stringless, straight, fleshy, free from fiber and excellent quality. Seed oblong, slightly flattened. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

B-35 Round Pod Kidney Wax (Brittle Wax). **55 days.** Very desirable for both home garden and canning trade. Plant medium large, erect, vigorous and productive. Pods waxy light yellow, 5½ in. long, ⅜ in. thick. Round, fleshy, brittle, stringless and without fiber. Seed white, blackish eye, kidney shape. Does best in medium heavy soil. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

B-41 Top Notch Golden Wax. **52 days.** A superior type to the old Improved Golden Wax. Very productive and compact plant. Creamy yellow pods that are straight, oval, stringless and brittle. 5 inches long, ½ inch wide. Seed solid white with brown eye. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

B-43 Unrivalled Wax. **52 days.** Medium size bush of upright growth bearing profusely of rich waxy yellow pods, 5 in. long, ⅜ in. wide; flat and fleshy, brittle, stringless in early stage. Seed small, long, round, yellowish brown. Does best in medium light soil. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

SHELL BEANS

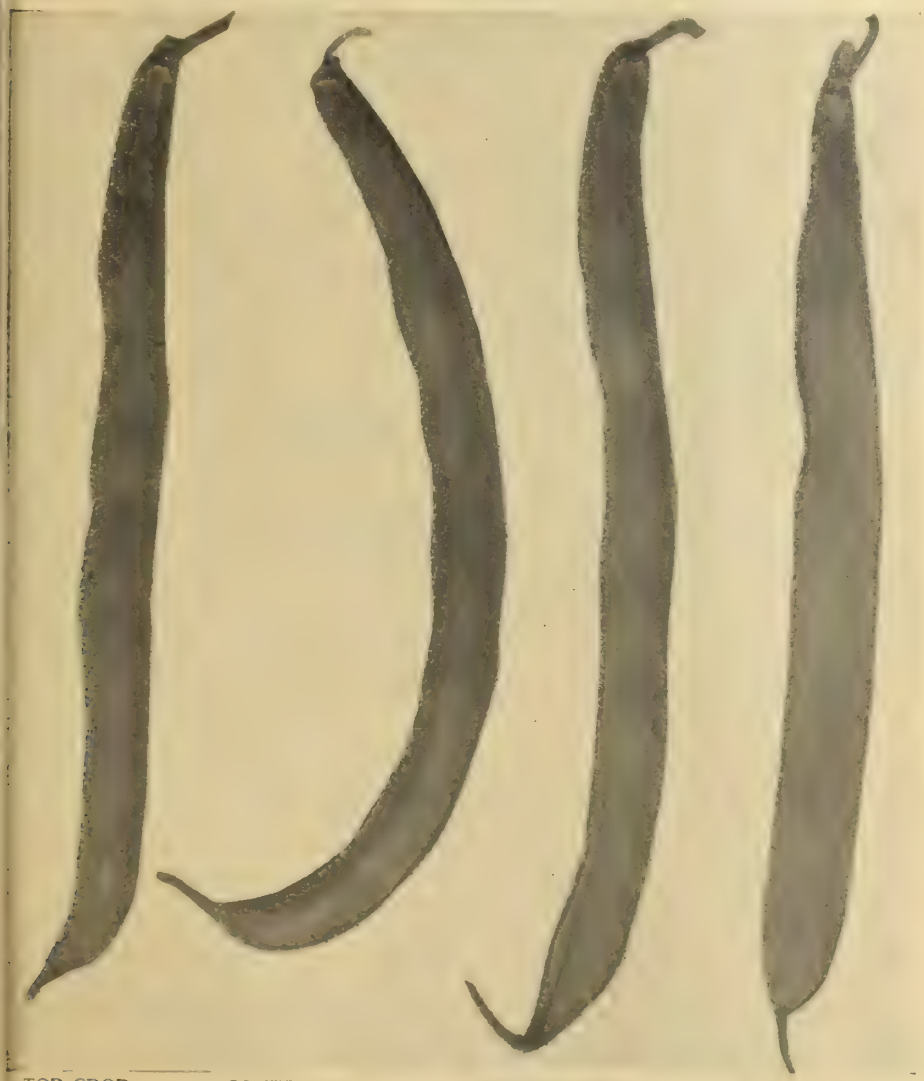
B-9 Dwarf Horticultural (Speckled Cranberry). Plant medium size, fairly productive. 60 days for green shell and 90 days for ripe shell. Pods dark green becoming yellow splashed with carmine. Pods 5 in. long, ⅝ in. wide. Nearly round at green stage, stringless but having fiber. Seeds full oval, pinkish buff. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

B-12 English Broad Windsor. **80-90 days.** Stalks tall slender, pods green hairy, 5 to 6 in. long, containing 4 to 6 beans. Green shell beans, large flat, light green. Dry seed large, circular, flat, reddish brown with black eye. Will stand freezing and should be planted early in the north. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

B-32 Red Kidney. **95 days.** Plant is large, vigorous. Pods 5 in. long, ½ in. broad. Dark green, oval, flat, stringy, tough. Seed dark, reddish brown. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

B-45 White Kidney. **100 days.** For dry shell use only. Pods 5½ in. long. Seed long, white, kidney shape. Kidney types as well as field types do well on any medium heavy soil. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.

B-46 White Marrow. **100 days.** Plant large with semi-runners, hardy. Pods 5 in. long, ½ in. in diameter. Seed white, oval, short. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $1.25.



TOP CROP CONTENDER TENDERGREEN BOUNTIFUL

Grow Your Own Mushrooms

MAGIC MUSHROOM TRAYS

Mushrooms for home consumption can be grown in your cellar, without odor or disorder, in Magic Mushrooms trays, which come filled with compost, and sown with spawn, ready to grow after you have soaked the soil.

Trays measure 15 by 17 inches. Mushrooms should mature in 3 to 4 weeks and continue to develop for two to four months. Four trays are recommended to supply the average family.

Compost which fills the tray is pasteurized and odorless. Shipping weight is 25 lbs. for each tray, if shipped with one-inch of soil covering compost; 15 lbs. without soil which you can supply from your garden.

Shipped with complete instructions. Prices, 2 trays, $3.00; 4 trays, $5.00; 10 or more, $1.15 each, F.O.B. Ashtabula, O.

PURE CULTURE IMPROVED VITA BOTTLE SPAWN

This spawn is made in glass jars under absolutely sterile conditions, so that every mould, weed seed or insect is destroyed and each bottle contains nothing but pure spawn. One bottle equals 5 bricks of ordinary spawn and is sufficient for 40 square feet. Leaflet, "How to grow mushrooms" free with spawn.

Per carton.....$1.25 5 cartons for.....$5.50

If wanted by Parcel Post allow for postage at zone rate, weight about 1 lb. per carton.

PURE CULTURE IMPROVED VITA BRICK SPAWN

One brick will spawn 8 to 10 square feet and comes in pure white.

Per brick.....50c 5 bricks for.....$2.25

If wanted by Parcel Post add postage at zone rate, weight about 1 lb. per brick.

ONION PLANTS

Vaughan's offer the following types of onion plants for shipment after April 1.

Bermuda (for early green onions).

Yellow Sweet Spanish (for large onions). **Per bunch postpaid 55c; ten bunches, $4.25.**

Hybrid Sweet Spanish (for exhibition onions). See Novelty page 5. **Per bunch, postpaid, $1.00; Ten bunches $6.00.**

CABBAGE PLANTS

O-S Cross Hybrid. **(All America Winner 1951) per 50 plants, postpaid, $1.25; 200 plants, $3.25; 500 plants, $6.50.**

CAULIFLOWER PLANTS

Ideal. **(All America Winner 1949) per 50 plants, postpaid, $1.25; 200 plants, $3.25; 500 plants, $6.50.**

SWEET POTATOES

Sweet Potatoes will be shipped from our grower in Southern Illinois, all by express at purchaser's expense. We offer: Yellow Jersey, Nancy Hall and Porto Rico. 10 lbs., $1.85; 25 lbs. and over, 16c per lb.

SWEET POTATO PLANTS

All orders for Sweet Potato Plants will be shipped from our grower in Southern Illinois direct to the purchaser and no plants will be shipped C. O. D. Orders for 1,000 or less will be sent by mail postpaid, all orders for more than 1,000 will be shipped express at purchaser's expense. Varieties: Yellow Jersey, Nancy Hall and Porto Rico. 50 plants, 85c; 100, $1.65; 200, $3.15; 500, $5.50; 1,000, $9.00. By express per 1,000, $8.50.

Our method of packing should insure safe arrival of plants in good condition. If larger quantities than quoted above are wanted, ask for special quotation

Plants will be ready for shipment in the southern districts about April 15th, and for northern districts about May 15th to June 15th.

Plants for Your Herb Garden

Ten Annual Herb Plants, Your Choice, by Express, at Buyer's Expense, for $2.50.
Ten Perennial Herb Plants, Your Choice, by Express, at Buyer's Expense, for $3.00.

The following Herb Plants will not be sold less than three or more of a kind except where ten or more are ordered.

Plants in small lots are shipped by parcel post, but in lots of 10 or more are shipped by express at buyer's expense.

SCENTED VARIETIES

Ready May 1. 3 of a kind, $1.35 prepaid.

Rosemary; True Tarragon; Pineapple Salvia; Balm Scented Geranium; Camphor Scented Geranium; Fair Ellen Geranium; Rose Geranium; Giant Oak Leaved Geranium; Nutmeg Scented Geranium; Lime Scented Geranium; Pine Scented Geranium; Rober's Lemon Rose Geranium; Snowflake Geranium; Walnut Scented Geranium.

PERENNIAL VARIETIES

Ready May 1. 3 of one kind, prepaid, $1.25; in lots of 25 or more, any varieties, 25c each by express collect.

Burnet, Chicory or French Endive, Camphor Plant, Comfrey, Costmary, Germander, Horehound, Hyssop, Horseradish, Lavender Cotton, Green Lavender Cotton, Lovage, Curly Mint, English Mint, Round Leaved Mint, Catnip, Pineapple Mint, Oregano, Peppermint, Rue, Sage, Wide Leaved English Sage, Winter Savory, Sorrel, Southernwood, Dwarf Southernwood, Sweet Marjoram, Tansy, Fern Leaved Tansy, Kitchen Thyme, Lemon Thyme, Lemon Balm.

ANNUAL VARIETIES

Ready May 1. 3 of one kind, $1.15 prepaid; in lots of 25 or more, any varieties, 20c each by express collect.

Sweet Basil, Lemon Basil, French or Soup Celery, Celeriac, Florence Fennel, Garlic Plants, Parsley, Summer Savory.

Sampler Box of Dried Herbs, $1.50

Liberal amounts of the following, each in a glassine envelope, including: Basil, Lovage, Mint, Sage, Tarragon, Thyme, Poultry Seasoning, Fish Herbs, Omelet Herbs, Salad Herbs, Meat Herbs and Tomato Herbs.

Magic Box of Culinary Herbs, 4 jars, your selection, $1.50; 6 jars, **$2.00**

Basil, Celery, Chives, Dill, Fennel, Powdered Garlic, Lovage, Marjoram, Mint, Parsley, Rosemary, Sage, Savory, Thyme, Poultry Seasoning, Fish Herbs, Savory Meat Herbs, Omelet Herbs, Salad Herbs, Tomato herbs.

No C.O.D. shipments can be made of any of these items.

Please Use This Order Blank for Items on This Page

To VAUGHAN'S SEED CO.

601 W. Jackson Blvd., Chicago 6, Ill.

Date.....19.....

NAME Mr. / Mrs. / Miss.....

Write very plainly

Street, P. O. Box or Rural Delivery.....

Post Office..... State.....
(City Zone No.)

Express or Freight Office {If different from P. O.}.....

(Send No Cash or Currency Unless Registered)
Make Money Orders or Checks Payable to Vaughan's Seed Store

AMOUNT ENCLOSED $..... ☐ Money Order ☐ Draft or Check ☐ Cash

Always write letters on a separate sheet from your order.

QUANTITY	NAME OR CATALOG NUMBER OF ARTICLE	PRICE DOLS.	PRICE CTS.
	CARRIED FORWARD	$	

☞ In making your order, please give the sizes and prices to avoid delay and errors.
If we cannot supply variety ordered, we will send one equal or better, unless otherwise specified.

S. R. 51

All the Better Beets

B-77 BEET PERFECTED DETROIT. Pkt., 15c; ½ oz. 25c.

QUALITY in beets is measured by an even, globular shape, uniformity in size, bright, even color, flavor, fine texture and tenderness. Here, as with all vegetables, the difference between a fine and a mediocre strain of one variety may be as great as between different varieties.

Our best seed is grown only from transplanted roots, which are taken up in the fall, carefully graded, and transplanted again to produce seed. Only beets which conform to the highest quality standards are planted for seed.

All beets keep well in winter when properly stored. A special sowing should be made in midsummer to produce the storage crop.

As soon as soil can be worked in the spring, sow one seed to the inch, in drill half inch deep. Firm soil well over seed and water well if required. Thin when roots begin to make globes, to stand 4 inches apart in row. Cook discards with their tops.

Quantity needed to sow: 15 ft. row, 1 pkt.; 60 ft. row, 1 oz.; acre, 7 lbs. (Rows 18 in. apart).

B-77 Perfected Detroit. 55 days. In this improved strain of Detroit Dark Red the fine qualities which have made that variety standard for main crop sowing have been strengthened by careful breeding. It is earlier and almost spherical in shape. The tops are taller than Regular Detroit and the leaves are green tinged with red. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

B-76 Detroit Dark Red. 55 days. A strikingly uniform strain producing a very smooth globe shaped root of a very dark red inside and out. Tops are intermediate in height, uniform, refined, dark green becoming tinged with red. It is sweet and remains tender until maturity. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

B-75 Crosby's Egyptian. 50 days. This early variety has long been a home garden favorite. It is exceptionally tender and sweet, of a deep red with some light zoning, and fine texture. Tops are of medium size and the roots of a flattened globe shape, excellent in table quality. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

B-82 Long Dark Blood. 75 days. Roots long, smooth, dark red, tapering to a point, 7 in. long, remaining tender in storage. A fine winter keeper that is superior for pickles. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

B-80 Green Top Bunching. 55 days. An early extremely attractive bunching beet that we recommend as the best all purpose beet. Tops medium sized, and erect. Foliage grayish-green that does not turn red or brown in fall. Roots round, smooth and glossy, slightly flattened when fully mature; flesh bright blood red. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

B-81 Improved Early Egyptian. 45 days. The best variety for forcing and first early crop. Roots are very dark red, rounded on top, flat beneath, small tops. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

Sugar Beets

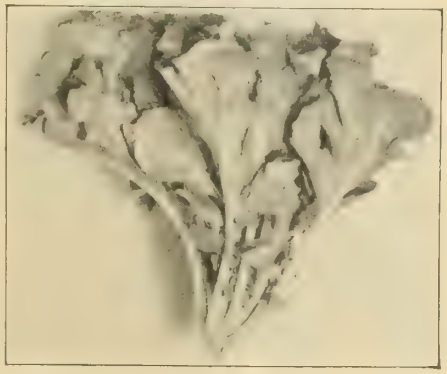
B-93 Klein-Wanzleben. 100 days. The most desirable beet for sugar manufacture; valuable also for stock feeding. Roots medium large and good keeper. Wedge shape tapering to tail. Pkt., 15c; oz., 30c; ¼ lb., 75c; ½ lb., $1.25.

Mangel Wurzel

MANGELS are an excellent crop for a source of feed for dairy and poultry farms. Both Mangel and Sugar Beet seed are in great demand for planting in Europe. Our types are equally suited for European and home production. Sow in May or June, 6 lbs. to the acre, in rows 2 feet apart, and thin to nine inches.

B-89 Mammoth Long Red. 110 days. Largest and heaviest cropper of long red sort. Light red, flesh white tinged with rose. Pkt., 15c; oz., 30c; ¼ lb., 75c., ½ lb., $1.25.

B-87 Golden Tankard. 110 days. A suitable yellow sort. Pkt., 15c; oz., 30c; ¼ lb., 75c; ½ lb., $1.25



C-99 COLLARD CABBAGING. Pkt., 15c; oz., 35c

Collards

THIS is a relative of the cabbage which produces green leaves of cabbage flavor, and having a much higher vitamin content. It produces edible leaves in 45 days. In the south collards are extensively grown instead of cabbage. In northern home gardens they will supply a larger quantity of edible leaves than cabbage for the space occupied.

C-99 Cabbaging. 75 days. A desirable type producing rather compact plants 1½–2 feet high. Large loose clusters of leaves which often tend to head. Pkt., 15c; oz., 35c; ¼ lb., $1.05.

C-100 Georgia. 75 days. Non heading and very generally grown for greens in the south. Plant 2–3 feet tall, erect, spreading. Pkt., 10c; oz., 35c; ¼ lb., $1.05.

Green Broccoli

BROCCOLI is far richer in vitamins than white cauliflower, which it resembles in flavor. It is also a much easier subject for the amateur than cauliflower, and has a much longer harvest. It survives light frosts and produces well in the cool autumn weather.

Sow outdoors with earliest crops, transplant or thin out 18 inches to 2 feet apart. Protect from aphids and cabbage worms. After center heads are cut, each branch will produce a head, harvest lasting until killing frost.

B-96 De Cicco. 60 days. The earliest strain of broccoli available. It matures about 10 days earlier than the regular, which permits a partial harvest before the hot weather slows growth. Pkt., 20c; ½ oz., 45c; oz., 85c; ¼ lb., $2.50

B-95 Italian Green Sprouting. 70 days. An outstanding strain that is highly recommended for freezing. After its large center heads are harvested, smaller heads 2 inches in diameter form at the end of lateral branches. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $1.65.

Brussels Sprouts

BRUSSELS SPROUTS are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost and it is usually as a fall crop, sown in June.

B-98 Improved Dwarf. 80 days. Grows 18 to 30 inches high producing compact sprouts, 1 to 2 inches in diameter; grayish green in color. Hardy, early. Pkt., 15c; ½ oz., 50c; oz., 95c.

B-99 Long Island Improved. 90 days. Plant dwarf and compact; 20 in. tall; very uniform; stem well covered with firm, round cabbage-like balls of 1¼–1½ in. diameter which mature in succession. Pkt., 15c; ½ oz., 50c; oz., 95c.

BRUSSELS SPROUTS

Yellows Resistant and Standard Cabbage

WHEREVER the temperature of the soil rises to 85 degrees and remains for several days, there is danger of the yellows disease, and when it strikes, a crop failure may result.

In the great cabbage growing district centering around Racine and Kenosha, Wisconsin, an industry has been saved by developing strains of cabbage resistant to yellows. We offer seed of these strains, which have been developed by years of scientific work, and actual growing tests. The uniformity and yield of resistant strains have greatly improved. We recommend their use wherever danger of yellows may exist. If the disease strikes, resistant strains will show slight loss, where non-resistant types would probably be destroyed.

Cabbage Culture: After frost proof date, set out plants for early crop. Late varieties may be sown outdoors in June. Space small early types 12 inches apart, medium 18 inches, large late 2 feet. Water well and protect from worms and aphids.

HYBRID CABBAGE

C-18 O-S Cross. 70 days. See Novelty page 5. Pkt., 35c.

Yellows Resistant Varieties

C-13 Early Resistant Detroit. (A Golden Acre Type) 63 days. An excellent round head resistant early cabbage. It will produce good crops on "yellow" sick soil where regular Golden Acre cannot do well and is only a couple of days later. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25.

C-1 Bugner. 100 days. A winter variety which is our most popular variety with market growers in the Chicago area. Our own strain has been selected for resistant qualities over many years Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25.

C-10 Globe. 75 days. A resistant Glory of Enkhousen that is but 3 or 4 days later than Copenhagen, of excellent flavor. You who think that there is no difference in the flavor of cabbage, should compare a mature Globe with any other cabbage. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb. $2.25.

C-15 Jersey Queen. 60 days. As near a true Jersey Wakefield as is possible to select in type and earliness. Exceptionally resistant to yellows. One of the earliest resistant strains to mature and is recommended to the home gardener where a high quality cabbage for summer salads is desired. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25.

C-16 CABBAGE MARION MARKET.

C-16 Marion Market. 75 days. Yellows resistant strain of Copenhagen Market. Larger and coarser in plant and not so early nor so uniform as the original strain, but with the round head and crisp tenderness of the parent cabbage. Will produce a normal crop on yellows infested soil where nonresistant strains fail completely. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25.

C-24 Wisconsin All Head Early. 80 days. This is a midseason resistant variety which will stand for a long time without bursting and is nearly 100% resistant. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25.

C-25 Wisconsin All Seasons. 90 days. Either a kraut or home variety, but is used more for kraut than any other purpose. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25.

C-28 Wisconsin Ballhead. 100 days. A highly perfected strain of yellows-resistant cabbage. A good keeper, of finer texture and matures earlier than Wisconsin No. 8. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25.

C-5 Wisconsin Copenhagen. 68 days. A new introduction of a resistant Copenhagen strain that bears large heads early with a lighter color than Racine Market. This variety will also stand in the field a long time without bursting. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25

C-30 CABBAGE RACINE MARKET. Pkt., 15c: ½ oz., 45c.

C-30 Racine Market. 64 days. Large, round headed uniform cabbage of Golden Acre type with characteristic blue green color. Will remain in field longer than other early cabbage without splitting. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25.

STANDARD CABBAGES

C-4 Copenhagen Market Extra Early. 65 days. Earliest of the large heading cabbages, maturing even before the conical types, this select strain is of unique value both to home and market growers. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., $1.85

C-9 Early Jersey Wakefield. 62 days. This extra early conical shaped head cabbage is a specialty with us. The heads are hard, the outside leaves small, so that close planting is possible. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., $1.85.

C-11 Golden Acre. 60 days. The earliest round headed cabbage; especially valuable to the market gardener for early shipping. The plants are small and compact allowing close setting; the stem short and heads uniformly round and firm. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., $1.85

C-31 Golden Acre. (AH45) The earliest strain of Golden Acre Cabbage yet introduced. See novelty page 5. Pkt., 25c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25.

C-6 Danish Ballhead Short Stem. (Dwarf Amager). 105 days. Heads large, flattened globe shape; very firm and solid; keep very well in storage. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., $1.85.

C-21 Penn State Ballhead. 105 days. Yields as high as 26 tons per acre have been recorded. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., $1.85

C-23 Premium Flat Dutch. 110 days. Seed may be sown in the open ground and plants raised without the use of hotbeds. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., $1.85

C-1 CABBAGE BUGNER. Pkt., 15c: ½ oz., 45c.

Here's Table Quality in Cabbage

C-3 Chieftain Savoy. 88 days. You seldom see it in the markets, but friends who know European cooking will tell you how delicious Savoy Cabbage tastes, stuffed with sausage, or cooked in other ways. The flavor is more delicate than white cabbage, but does not keep as well. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., $1.85.

Red Cabbage

Valued for Distinctive Flavor

C-14 Red Acre. 75 days. An early, round head, very hard, 6 inches through, weighing 4 lbs. One of the earliest reds of quality. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25.

C-17 Mammoth Rock Red. (Long Island Strain). 100 days. The hardiest and largest heading red cabbage. Round, very solid and of a deep red color, often weighing up to 12 pounds each. Pkt., 15c; ½ oz., 45c; oz., 75; ¼ lb., $2.25.

C-22 Red Yellows Resistant. 100 days. Not as large as Mammoth Rock Red, but darker and more uniform color. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25

PAOTING. Pkt., 15c.

CHIHLI Pkt., 15c.

Chinese Cabbage

Quantity needed for 30 ft., 1 pkt.; 200 ft., 1 oz.

C-26 Celery Cabbage Michihli. 90 days. The most uniform strain of Chinese cabbage. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., $1.45.

C-20 Celery Cabbage Chihli. 70 days. From seed sown in late June or early July it produces slender, tight heads 6x18 inches, bleached in center with tips green. Makes delicious salad raw and has delicate cabbage flavor cooked without odor. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., $1.45.

C-19 Celery Cabbage Paoting. 80 days. Genuine "Wong Bok" type. Will mature firm heads through the summer months. It has produced heads weighing 15 pounds and stands long before going to seed. It is the largest of the Chinese Cabbages. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., $1.45.

Slender, Tender Carrots

CARROTS have been improved in quality at the same time their value as a health food has been gaining wider recognition. In addition to color, size, shape, tops and season of maturity, our special strains are selected for sweetness, and the tenderness and even texture of the flesh, especially for a minimum of "core." Scientists say the brighter the color, the more Vitamin A in carrots.

Sow as soon as soil can be prepared, in shallow drills, 5 seeds to the inch. Thin out when of finger size, and serve discards. Carrots will mature well growing close enough to touch, and remain delicious all season; but many prefer them young, and make several sowings.

C-49 Sweetheart. **70 days.** Best quality home garden or market carrot. See Novelty Page 5. Pkt., 20c; ½ oz., 40c; oz., 70c; ¼ lb., $1.75.

C-51 Touchon. **70 days.** From the time it is finger size and thinned out of the row in early spring, until it reaches full growth in the autumn, this variety excels in flavor, tenderness, even in yield, for home gardens. Its slender shape permits growing closer than thicker types and decreases the core which all carrots have even though you may not see it. Its flesh is fine grained, sweet and has bright orange coloring. Pkt., 20c; ½ oz., 40c; oz., 70c; ¼ lb., $1.75.

C-48 Red Heart. (Red Core Chantenay). **70 days.** It has no visible core, but its rich red coloring is even throughout the flesh. The top is very strong, hence ideal for bunching. The root is of medium length, blunt, smooth and easily prepared for serving. Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., $1.50.

C-47 Nantes Half Long Scarlet. **70 days.** An early variety is not surpassed in tenderness and sweetness. The tops are small, the roots bright orange, smooth and cylindrical, 6 to 7 inches long. There is almost no core. Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., $1.50.

C-50 Table Queen. **70 days.** Half-long type, rich red, tender, crisp and one of the sweetest we know. Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., $1.50.

C-45 Improved Chantenay. **75 days.** A strain of Early Chantenay which resembles the original type in most respects except that it averages 1½ to 2 inches longer and has sloping shoulders. Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., $1.50.

C-42 Guerande or Oxheart. **70 days.** Of rapid growth, often attaining a weight of ½ pound. It is thick shouldered, short and top-shaped; has a good flavor and is tender. A second early. Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., $1.50.

C-44 Imperator. **77 days.** Has roots 7 to 8 inches long, slightly tapering and just enough top to bunch well. Color is deep solid orange all through. It is prolific and of high quality, brittle, tender, sweet. Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., $1.50.

CARROTS FOR STOCK

C-46 Improved Long Orange. **88 days.** A good keeper of fine quality for winter use, extensively grown for stock feeding. Makes a large tonnage of feed for cattle or poultry. Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., $1.50.

C-52 Select Danvers. (Red Core). **75 days.** A half-long type, averaging five and one-half inches in length, tapering to a blunt point. Greater yield per acre than any other. Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., $1.50.

Celeriac TURNIP ROOTED CELERY

COOKED and prepared as a salad, or used to flavor meats, it has a rich celery flavor. The roots keep well in winter. Recipes for preparing enclosed upon request.

C-84 Large Smooth Prague. **About 110 days.** A main crop variety. Pkt., 15c; ½ oz., 50c; oz., 85c; ¼ lb., $2.75.

EASY BLANCHING FULL HEART. Pkt., 20c.

C-65 VAUGHAN'S SELECT SNOWBALL CAULIFLOWER. Pkt., 40c.

Early Cauliflower

HOME gardeners will find cauliflower not difficult where conditions are right. When plants are set out in late June or early July to mature in October, there is seldom any question of getting fine, large heads. Quantity needed for 150 plants, 1 pkt.; for 1500 to 2000 plants, 1 oz.

C-66 Ideal. All American winner 1949. An excellent Swiss bred variety that appears adapted to almost any section. This variety possesses great vigor and is very sure to head. Pkt., 50c; ¼ oz., $1.50; ½ oz., $2.85.

C-65 Vaughan's Select Snowball. **55 days.** Improved strain of our New Snowball, early, dwarf, compact, producing solid white heads which measure 9 to 10 inches across and have a perfectly white core. Its heads are more uniform in size, and there are more leaves for protection in bleaching. Pkt., 40c; ¼ oz., $1.25; ½ oz., $2.25.

C-64 Vaughan's New Snowball. **60 days.** A well grown head measures 9 to 10 inches across, with depth in proportion, and a perfectly white core. Dwarf and compact in growth, though taller and slightly heavier yielder than Select. Pkt., 30c; ¼ oz., $1.15; ½ oz., $1.95.

C-61 Autumn Giant. **80 days.** A large heading late fall sort not recommended for northern districts. Pkt., 25c; ¼ oz., 50c; ½ oz., $1.00; oz., $2.00.

Green Celery Best for Vitamins

START the seed indoors and set the plants out around the middle of June. Eight inches apart for the early kinds and a foot for the winter varieties. Do not work over the plants when they are wet with dew or rain.

Quantity needed for 400 to 500 plants, 1 pkt.; 8,000 plants, 1 oz.

GREEN

C-72 Easy Blanching Full Heart. **110 days.** An early variety of erect, compact growth, blanching easily. Stalk is medium large and solid, crisp with no fiber and excellent flavor. Good winter keeper. Recommended for early storage for hearts. A very fine home garden type. Pkt., 20c; ½ oz., 65c; oz., $1.00

C-86 Summer Pascal. **120 days.** One of the most popular green varieties, used without bleaching. Recommended for home and nearby markets, but is too tender and brittle to stand long distant shipping. Resistant to blight. Stalks are long, solid, crisp, stringless and of excellent quality. Pkt., 20c; ½ oz., 65c; oz., $1.00

C-80 Utah Pascal. **(Salt Lake).** **125 days.** A green variety recommended for fall use, maturing earlier than Giant Pascal. Stems thick, solid, broad rounded and of fine quality. Pkt., 20c; ½ oz., 65c; oz., $1.00.

C-74 Giant Pascal. **135 days.** A tall late green celery of excellent quality. Leaf stalks round, thick and solid. A very fine variety for fall and winter use. Pkt., 20c; ½ oz., 65c; oz., $1.00

YELLOW

C-75 Golden Detroit. **90 days.** The plants are heavy, compact and full hearted. This is a pure line selection of the Dwarf Golden Self-Blanching type which accentuates the good points of that variety. Pkt., 20c; ½ oz., 65c; oz., $1.00.

C-79 Michigan Golden. **100 days.** Developed at Michigan State Agricultural College, resistant to "Fusarium Yellows," bred from the tall strain of Golden Self-Blanching. Pkt., 35c; ½ oz., $1.25; oz., $2.35

Golden Self Blanching. Dwarf bunches with broad, heavy stalks, blanch into a rich, appetizing, golden yellow. Though the stalks are heavier than white varieties, its sweetness, tender crispness, delicious flavor and absence of strings make it a favorite. The French originators of this type have introduced a re-selected strain earlier and stronger growing than the older type.

C-78 Tall Strain. French type. Pkt., 20c; ½ oz., 85c; oz., $1.50

C-77 Dwarf Strain. American-grown. Pkt., 20c; ½ oz., 85c; oz., $1.50.

C-76 Golden Plume. A selection from or a cross with the Golden Self-Blanching, it is more vigorous and withstands heat and blight better. It is a beautiful gold in color, brittle and of the highest table quality. Pkt., 20c; ½ oz., 85c; oz., $1.50

C-129 IMPROVED CARMELCROSS. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs. $1.35.

Hybrid Sweet Corn Team
For an All-Season Harvest

As the best combination available in 1948 we have chosen these four varieties for our hybrid sweet corn team: Our Choice, 68 days. Early Southern Cross, 75 days. Golden Cross, 79 days. Improved Golden Label, 83 days. Plant all four at the same time to insure an all-season harvest. 2 oz. of each variety in separate packets totaling in ½ lb. 50c

Newest Sweet Corn Hybrids

HYBRID sweet corn excels in three ways: Heavier yield, more even maturity, and resistance to Stewart's disease, and other troubles. Any open pollinated corn will mature unevenly and give edible ears from one planting over a longer period, which some may prefer. Our list has been revised to offer the best of both hybrid and open pollinated types, as proved by exhaustive tests in our trials.

A packet plants 40 hills; a pound, 400 hills; 12 lbs. an acre.

Sow two weeks before frost proof date, seeds two inches deep, three inches apart; to be thinned out to six inches; or six seeds to a hill, 2 to 3 feet apart according to variety's height, thinning to three plants per hill. Time succession sowings, two weeks apart.

HYBRID RESISTANT

C-111 Iochief. 83 days. An outstanding new sweet corn introduction. A fine home garden late variety that is suited to freezing or canning. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35.

C-108 Golden Cross Bantam. 79 days. Being equivalent in both season and quality to Golden Bantam, this continues to be the favorite hybrid variety among home gardeners. It excels in sweetness and tenderness, with a larger ear and more vigorous growth than Golden Bantam. The ear measures 7½ to 8 inches and has 12 to 14 rows of kernels. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35.

C-122 Surprise. (Improved Spancross). 64 days. 10 to 12 rows, golden yellow, ears 6 to 6½ inches. Stalks 57 to 60 inches tall and bear the ears 12 inches from the ground. This is the first early corn of good quality to mature. Pkt., 15c; ½ lb., 45c; 1 lb., 75c; 2 lbs., $1.35.

C-127 Golden Rocket. 65 days. A fine very early sweet corn. Eight inch ears with 12 rows of kernels that are borne on stalks 6 feet in height. This variety matures about two to three days before Our Choice but will yield fewer ears. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35.

C-119 Our Choice. 68 days. This variety has been our most popular early for several years and has a flavor of the highest quality. It is heavy yielding, with a good size 10-14 row ear, and completely resistant. For the home garden this would be our choice for an early. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35

C-116 Lee. 73 days. A second yearly, bearing large ears, very sweet and heavy yielding. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35.

C-129 Improved Carmelcross. 75 days. A recent introduction that has become the most popular of the second earlies or the early corns that bear large ears. Some claim this variety has the finest flavor of all. A definite improvement over the old Marcross 39. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35.

C-130 Early Southern Cross. 75 days. A new introduction very similar in type to Improved Carmelcross. A good shipper. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35

C-101 Bancross. 76 days. (Vaughan's Top Cross Golden Bantam). This variety is produced by crossing our Early Golden Bantam with Purdue Bantam. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35

C-128 Illinois Golden No. 21. 83 days. A brand new introduction of Dr. Walter Huelsons from the University of Illinois that shows exceptional promise for midwestern and southern growing. The ears and stalk are very large and the quality is high. It is recommended for the late harvest in home gardens. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35.

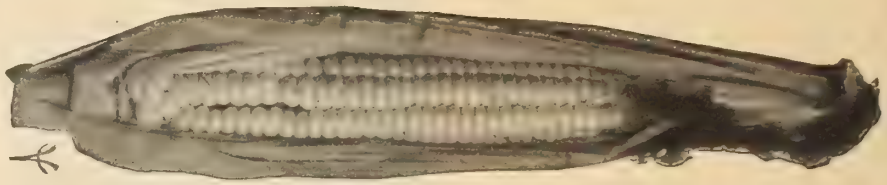
C-115 Ioana. 83 days. Productive variety, highly resistant to draught and wilt. Ears 7½ to 8 inches long, 12-14 rowed. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35.

C-109 Improved Golden Label. 83 days. A late variety that bears ears of great size on stalks up to 8 feet in height. The ears are 16 rowed and very tender. This variety is particularly well adapted to drouth areas. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35.

C-126 Wilson. 83 days. One of the best late varieties. Grows 76 inches tall, ears 8½ x 2 inches, 16 to 20 rows. Fine golden yellow grains, excellent flavor. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35.

C-103 Country Gentleman Hybrid. 99 days. Like Country Gentleman except heavy yielder. Set solid with irregular rows of kernels. These are white, shoe-peg form, very deep; sweet and tender. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35.

C-121 Stowells Hybrid. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35. (Late White).



SWEET CORN, GOLDEN, BANTAM. Pkt., 10c; ½ lb. 30c; lb. 45c.

Best Non-Hybrid Varieties

C-106 Extra Early Golden Bantam. 78 days. An 8-row Golden Bantam that matures about a week earlier than our standard strain. Pkt., 10c; ½ lb., 30c; lb., 45c; 2 lbs., 85c.

C-114 Improved Golden Bantam. 85 days. A 10-14-row Golden Bantam, larger, yet equal in quality to the regular 8-row type. Pkt., 10c; ½ lb., 30c; lb., 45c; 2 lbs., 85c.

C-107 Golden Bantam. Matures in about 83 days. The tender sweetness of an ear of true Golden Bantam, picked just after it turns yellow and served in half an hour has never been excelled. To maintain this supreme quality, however, requires constant vigilance. We offer the finest obtainable. Pkt., 10c; ½ lb., 30c; lb., 45c; 2 lbs., 85c.

POP CORN

C-135 Illinois Hulless. 100 days. New for 1950. The finest quality popcorn available. The kernels pop to over 35 times their original size and are a snowy white color completely without hulls. See Novelty page 6. Pkt., 25c; ½ lb., 50c; lb., 90c; 2 lbs., $1.65.

C-138 South American. 110 days. Usually 2 ears to a stalk. Large yellow kernels. 12 to 14 row ear, 6 to 7 inches long, pops to enormous size, no hard center. Pkt., 15c; ½ lb., 35c; lb., 55c; 5 lbs., $1.95

C-139 South American Hybrid. Pkt., 25c; ½ lb., 50c; lb., $1.00; 5 lbs., $4.85.

C-141 White Rice. Pkt., 15c; ½ lb., 35c; lb., 55c; 5 lbs., $1.95

C-136 Japanese Hulless. Pkt., 15c; ½ lb., 35c; lb. 55c; 5 lbs., $1.95

C-137 Japanese Hulless Hybrid. Pkt., 25c; ½ lb., 50c; lb., $1.00; 5 lbs., $4.85

C-140 Supergold. (Kansas Sunburst). Pkt., 15c; ½ lb., 35c; lb., 55c; 5 lbs., $1.95.

C-125 Golden Midget Hybrid. 68 days. A new ideal sweet corn for the home garden. See Novelty page 4. Pkt., 50c.

C-110 Golden Midget. 70 days. On stalks 2½ to 3 ft. tall this dwarf sweet corn bears ears which are unsurpassed for their sweet quality. A practical variety in the garden where space is limited as the low stalks do not shade neighbors. Pkt. (2 oz.), 35c.

C-105 Early Golden Sweet. Matures in about 68 days. A Golden Bantam type that comes 12 days earlier than Golden Bantam. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

C-124 Bantam Evergreen. 90 days. A product of Golden Bantam crossed with Stowell's Evergreen. It has retained much of the quality of Bantam and has the size and tender skin of Evergreen. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

C-112 Golden 60 Day. 68 days. It is bred from 60-Day White crossed with Golden Bantam. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

C-123 Black Mexican. 85 days. Selected for high sugar qualities. Ears 8 rowed, 8 inches long. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

NON-HYBRID WHITE

C-113 Howling Mob. 83 days. A large-cared fine second early. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

C-104 Early Evergreen. 94 days. It is earlier than Stowell's Evergreen bred for northern localities. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

C-102 Country Gentleman. About 95 days. Kernels crowded together on the cob. Deliciously tender and sweet. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

C-120 Stowell's Evergreen. 95 days. The standard main crop variety. The stalks grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

C-171 CUCUMBER MARKETER. Pkt., 15c.

Home Garden Cucumbers

TWO distinct types of cucumbers are bred to fill the need for large fruits suitable for slicing to serve in salads, and the smaller, uniform, prolific, pickling varieties. Our special strains in both types are grown with the greatest care to insure that all standards of quality are maintained in your crop. **Quantity needed for 20 hills, 1 pkt.; 80 hills, 1 oz.**

Sow in hills three to six feet apart; six seeds 1½ inches deep to a hill, thinned three plants. Protect small plants from beetles. Water when needed, and keep vines picked clean.

C-188 Early Sure Crop Hybrid Cucumber. 64 days. 1950 All America winner, see Novelty page 4. Pkt. (35 seeds), 25c

C-186 Sensation Hybrid Cucumber. 65 days. An amazingly heavy bearing, top quality, slicing type. The fruits are dark green, medium long, with bright white flesh and a small seed cavity. Pkt. (35 Seeds), 25c.

C-171 Marketer. 65 days. A variety of recent introduction producing very dark green, cylindrical fruits which taper slightly at ends. Fruits are about 8 inches long and 2¼ inches in diameter. Pkt., 15c; oz., 45c; ¼ lb., $1.45.

C-167 Highmoor. 65 days. An improvement on Straight 8 that is resistant to scab. The fruits are darker than Straight 8 and borne in greater numbers. Originated by the Maine Experiment Station. Pkt., 15c; oz., 45c; ¼ lb., $1.45.

C-170 Mandarin. 45 days. Earliest of all. One of the best cucumbers for the home garden. Has proved to be resistant to the blight, due to its Chinese ancestry. By letting the vines climb a trellis or fence, it bears for a long season; two plantings 20 days apart, will furnish the table with salad cucumbers all summer. Pkt., (only), 25c.

C-180 The Vaughan. 74 days. The largest of outdoor cucumbers, it is also of first table quality. Compared to other Long, White Spine varieties, it is much darker in color, more uniform in shape and size, thinner and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Pkt., 10c; oz., 45c; ¼ lb., $1.25.

C-160 A & C (Colorado). 68 days. A beautifully, long, slender, dark green cucumber of excellent shape and intense dark color. Fruit is inclined to taper, especially at stem end. Pkt., 10c; oz., 45c; ¼ lb., $1.25.

C-177 Palmetto. 80 days. A mildew resistant, fine new slicing cucumber bred by Dr. Barnes of the South Carolina experiment station. Pkt., 15c; oz., 60c; ¼ lb., $1.80.

C-179 Straight Eight. 62 days. A white spine which produces a high percentage of fruits perfectly straight and 8 or more inches long. Pkt., 10c; oz., 45c; ¼ lb., $1.25.

C-172 Mincu. 45 days. Its fruits averaging 4½ inches long by 2 inches in diameter are suitable both for salad slicing and pickling. It bears from 8 to 10 fruits within a foot of the hill. Pkt., 10c; oz., 45c; ¼ lb., $1.25.

C-168 Improved Long Green. 68 days. Used for yellow chunk pickles. The fruit (12 in. long) has a distinctive flavor. Pkt., 10c; oz., 45c; ¼ lb., $1.25.

C-181 Arlington White Spine. 62 days. A heavy yielder, symmetrical, straight, 7 to 10 inches long. A great favorite in the south. Pkt., 10c; oz., 45c; ¼ lb., $1.25.

C-162 Davis Perfect. 65 days. Fine length, slim, dark green and crisp. The best blight resister of long sorts. Pkt., 10c; oz., 45c; ¼ lb., $1.25.

PICKLING CUCUMBERS

C-166 Quick Grow. 50 days. An outstanding introduction of ours that matures about a week earlier than Chicago Westerfield. It will usually mature before the early blight appears and oftentimes will yield a good crop when the later dry weather has cut the yield of the later varieties. Pkt., 10c; oz., 45c; ¼ lb., $1.25.

C-183 Chicago Westerfield. 58 days. Since we first introduced this pickle years ago, it has been a distinguished success. When ripe the fruit is medium size, blunt at both ends, has prominent black spines. Pkt., 10c; oz., 45c; ¼ lb., $1.25.

C-173 National. 54 days. The type is shorter than the Chicago Pickle and the fruit being smaller, blight does not sap the strength of the vine. Pkt., 10c; oz., 45c; ¼ lb., $1.25.

C-165 Boston Pickling. (Green Prolific). 58 days. Smooth, symmetrical pickle, very early and productive. Pkt., 10c; oz., 45c; ¼ lb., $1.25.

C-169 Japanese Climbing. 68 days. This is quite resistant to disease and insects. It is good quality and of dark green. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

Cardoon

C-41. The main stalks are blanched like celery; used for salad or in soups. Pkt., 15c; ½ oz., 65c; oz., $1.25; ¼ lb., $3.50.

Chicory

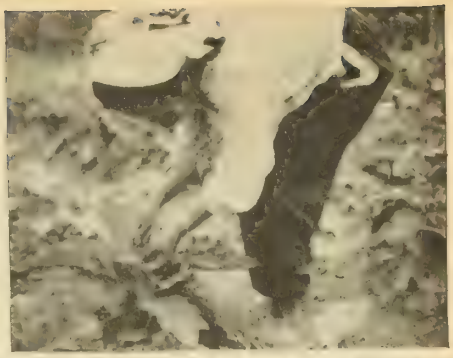
C-97 Witloof (French Endive). 150 days. A European delicacy now standard in all best hotels and restaurants in the U. S. It is easily grown. Sow in spring; store parsnip-like roots in sand until wanted for growing on in winter; directions on packages. Pkt., 15c; ½ oz., 40c; oz., 65c.

C-96 Large Rooted Magdeburg. 65 days. Roots are cut in thick slices, roasted and used as coffee; in spring leaves make good salad. Pkt., 15c; ½ oz., 40c; oz., 65c.

C-95 Asparagus Chicory. 55 days. Cultivated for its fresh green shoots, which are boiled in salt water and served hot or in cold salad. New sprouts continually spring from the base, to be harvested and enjoyed. Pkt., 15c; ½ oz., 40c; oz., 65c.

Chervil

C-93 Chervil. 70 days. Similar to parsley, but of more delicate texture. Leaves bright rich green; finely divided and curled; pungent, aromatic; used for garnishing and flavoring. Pkt., 15c; oz., 30c; ¼ lb., 75c.



HAND-POLLINATING EGG PLANT IN JAPAN

Egg Plant

Egg Plant likes a rich, loamy soil. Plants should be set out in the garden as soon as danger of frost has passed, in rows 3 feet apart, the plants 2 feet apart.

E-12 Vaughan's Hybrid. 85 days. A new introduction for 1951—see Novelty page 5. Pkt., 35c.

E-16 Japanese Early Hybrid. A very early F1 Hybrid that bears a large number of small to medium sized fruit. It is not as suitable as Vaughan's Hybrid Egg Plant for market but a satisfactory early maturing home garden type. Pkt 25c.

E-10 Black Beauty. 80 days. Favorite variety in northern gardens, this excels in quality, size and appearance. Its huge fruits are almost black, are highly decorative in exhibition baskets and collections. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., $2.65

BLACK BEAUTY

E-13 Improved New York Purple. 83 days. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are large, satiny smooth, rich purple. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., $2.65.

E-11 Florida High Bush. 85 days. Plants are well branched, hardy, and disease resistant. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., $2.65.

Endive

ENDIVE is a delightful autumn and winter salad. Frost improves the flavor.

E-1 BROAD LEAVED BATAVIAN WHITE ESCAROLE. Pkt., 15c; oz., 35c; ¼ lb., 80c.

E-1 Broad Leaved Batavian White Escarole. (Florida Full Heart). 90 days. Of the straight smooth leaf Batavian type, this variety has the largest number of heart leaves and the finest salad quality of any we have tried. It grows upright, resists drought. Pkt., 15c; oz., 35c; ¼ lb., 80c.

E-5 Green Curled. 90 days. Standard variety for fall and winter. When centers are blanched, it is most beautiful. Pkt., 15c; oz., 35c; ¼ lb., 80c.

E-6 Moss Curled. Pkt., 15c; oz., 35c; ¼ lb., 80c.

E-7 Rose Ribbed Curled. In 95 days. Has leaf ribs of red. Pkt., 15c; oz., 35c; ¼ lb., 80c

Early Home Garden Melons

MILWAUKEE MARKET MELON. Pkt., 15c; oz., 45c

M-21 TipTop. 96 days It is yellow-fleshed, sweet, juicy; of finest flavor. A strong grower and yielder. Pkt., 15c; oz., 45c; ¼ lb., $1.35.

M-10 Hearts of Gold 80 days. For the home garden with heavy soil, this is a most delicious variety. It has a flavor all its own, and never surpassed. In size it is just right, 5 to 6 inches in diameter, almost a sphere, with small seed cavity, well netted with shallow sutures. Pkt., 15c; oz., 45c; ¼ lb., $1.35.

M-19 Schoon's Hardshell. (New Yorker). 95 days. A high quality melon with an extra hard shell which makes it fine for shipping. Pkt., 15c; oz., 45c; ¼ lb., $1.35.

M-22 Early Osage. 84 days. Flesh very thick, salmon-orange, fine grain, sweet and aromatic. Pkt., 15c; oz., 45c; ¼ lb., $1.35.

M-5 Banana. 98 days. Cucumber shape. Delicious odor. A novelty melon for the home garden. Pkt., 15c; oz., 45c; ¼ lb., $1.35.

IN NO other crop does quality respond more quickly to careful breeding. Our special strains are selected for size, color, flavor and thick flesh.

Since even light frosts kill melon plants, and seeds do not germinate well until the ground is warm, only early varieties succeed in the northern states. Seeds may be sown in pieces of turf, or in pots, and started in a hot-bed or cold frame to get earlier fruits, but must be transplanted to the garden without disturbing their roots.

Remember, muskmelons must ripen on the vine. Except the Honey Dew, they do not improve after picking.

Quantity needed for 20 hills, 1 pkt.; 100 hills, 1 oz.

Grow in light soil, in full sun, where plants can be watered. Sow in hills, five or six feet apart each way, six seeds 1½ inches deep to a hill, thinning out to 3 plants.

Orange Fleshed Varieties

M-17 Pride of Wisconsin. 85 days. Similar in size and shape to Honey Rock. Oval in shape with tough, heavily netted rind and flesh deep orange and very thick, sweet and of excellent quality. Pkt., 15c; oz., 45c; ¼ lb., $1.35.

M-15 Milwaukee Market. 80 days. Large, averaging 8 inches in diameter, with a small seed cavity and thick salmon flesh, this has the sweetest, most delicious flavor and the finest texture of any we know. It does not stand shipping. Its original quality has been increased by breeding from hand-cut, inspected melons. Pkt., 15c; oz., 45c; ¼ lb., $1.35.

M-12 Honey Rock (or Sugar Rock). 85 days. A wonderfully sweet melon with thick orange flesh and a distinctive flavor suggesting the Honey Dew taste. It produces heavily and is one of the earliest quality varieties. Oval fruits of medium shape, an excellent home garden variety. Pkt., 15c; oz., 45c; ¼ lb., $1.35.

M-6 Bender's Surprise. 90 days. Large, thick fleshed, heavily netted. Its flavor is wonderfully sweet, with almost no stringiness. Grows well in heavy soils. Pkt., 15c; oz., 45c; ¼ lb., $1.35.

MELON, IROQUOIS. Pkt., 25c.

M-14 Iroquois. 90 days. Developed by Cornell University with definite resistance to Fusarium wilt. Fruits are round to oval, about 6½ inches in diameter with permanent ribs and good netting. The rind is tough and holds up well. Flesh is deep orange color, of fine texture and excellent quality. Skin creamy green at maturity. Pkt., 25c.

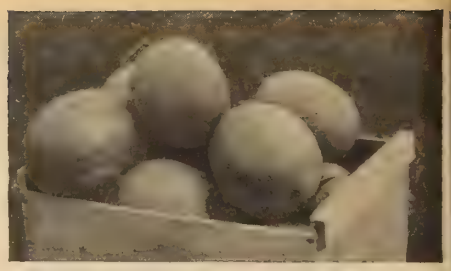
Green Fleshed Varieties

M-18 Rocky Ford or Netted Gem. 95 days. Flesh thick green, sweet, juicy and of good flavor. Fruits small, oval and show no ribbing, but covered with uniform netting. Pkt., 15c; oz., 45c; ¼ lb., $1.35.

M-11 Honey Dew. 110 days. Grown extensively in the warmer melon growing sections for local markets and distant shipping. Fruits broad and oval. Nearly white becoming creamy yellow; smooth with occasional net. Flesh thick, pale emerald green, sweet, juicy with honey like flavor. Stores well. Pkt., 15c; oz., 45c; ¼ lb., $1.35.

THE BOOK OF PERENNIALS
By Alfred C. Hottes.

Contents: The Perennial Garden; The Perennial Border; Garden Operations; Insects and Diseases; Propagation; For Shady Places; The Lists of Twenty-fives; Noteworthy Perennials; Hardy Ferns; Ornamental Grasses; Herb Index of Plant Names; Tabular Cultural Index. Over 100 illustrations. 272 pages. Cloth, $2.75.



WATERMELON NEW HAMPSHIRE MIDGET Pkt., 25c.

Watermelons

WATERMELONS may be grown under favorable conditions in the north though they require a long season to mature and cannot be planted until the ground is warm. Soil such as will mature good muskmelons is needed, with plenty of hot weather, no lack of water, and rich feeding.

Quantity needed for 8 hills, 1 pkt.; 25 to 30 hills, 1 oz.

M-55 Japanese Seedless. The most publicized vegetable seed novelty ever introduced. Pkt. (10 seeds), $1.00.

M-48 New Hampshire Midget. 75 days. A small very early home garden All America 1950 winner. Pkt., 25c; oz., 60c; ¼ lb., $1.75.

M-50 Congo Watermelon. 90 days. A new large anthracnose resistant melon. Congo seems destined to replace the Florida Giant as the top variety for shipping. This green striped melon has a bright red flesh that is exceptionally sweet. Pkt., 15c; oz., 60c; ¼ lb., $1.75.

M-40 Hybrid Dixie Queen. 82 days. Similar to regular Dixie Queen only a true F1 hybrid. The fruit are unusually sweet. Pkt., 25c.

M-39 Dixie Queen. 85 days. A fine medium early home garden melon of excellent quality. Fruits nearly round, light green striped with darker green. Rind thin but tough, flesh a deep red, crisp and sweet. The seeds are white. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

M-49 Stone Mountain Resistant No. 5. 85 days. A recently introduced wilt resistant melon of outstanding merit for home and market garden; fruits very large; broad, oval, almost round with blockie ends; dark green with indistinct veins; flesh bright red, crisp and sweet. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

M-38 Cole's Early. (Harris Earliest). 80 days. The best extremely early variety; very popular in northern sections, fruits medium size; dark green stripes alternated with lighter; flesh bright red of good quality, seeds blackish. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

M-47 Early Kansas or Red Russian. 85 days. A distinctly early melon of large size and excellent quality. Fruits nearly round, a deep emerald green. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

M-41 Florida Giant (Black Diamond or Cannonball). 95 days. Fruits very large, dark green, nearly round, flesh bright red, crisp and sweet. This is the most popular southern variety. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

M-51 Tom Watson. 92 days. Fruits very large, oblong, cylindrical, symmetrical. Flesh deep red, and sweet. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

M-43 Ice Box. 78 days. It is desirable to have a melon that will go in the ice box without having to be cut. This round melon is about six inches in diameter, is early, hardy and of excellent flavor. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

M-45 Wilt Resistant Kleckley's No. 6. 85 days. Large, dark green, oblong fruits often 22 inches long, flesh rich red, sweet and fine texture. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

M-53 Winter Watermelon. 85 days. Like Honey Dew in size and long-keeping qualities. Excellent flavor. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

M-46 Klondike Resistant No. 7. 90 days. Exterior color dark green, flesh very dark pink. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

M-35 Black Lee. 90 days. A new Wilt Resistant variety of vigorous growth, medium size, weight about 35 lbs., with a thin tough, dark, rich green rind. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

M-42 Golden Honey. 90 days. Best yellow fleshed melon. Oblong, brown seed, flesh a sparkling gold, attractive and delicious. Rind dark green. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

Citron. 92 days. For Preserves.

M-37 Red seeded. Pkt., 15c; oz., 45c; ¼ lb., $1.25.

M-36 Green seeded. Pkt., 15c; oz., 45c; ¼ lb., $1.25

L-28 OAK LEAF LETTUCE. Pkt., 20c.

L-16 LETTUCE GREAT LAKES Pkt., 20c.

Lettuce for Salads All Summer

SOW as soon as soil can be prepared, ½ inch drill, 5 seeds to an inch. Feed well, to make it grow fast. Thin out at first to stand an inch apart; then use alternate plants until leaf varieties stand 8 inches, heading varieties 12 inches apart. Make succession sowings to prolong harvest, omitting the midsummer period.

LEAF LETTUCE

L-28 Oak Leaf. 40 days. Since we revived this excellent old variety, it has become the most popular leaf lettuce for home gardens from coast to coast. The rich dark green of its leaves, its tenderness and resistance to hot weather, are all outstanding. We consider it best of the leaf type for home gardens. Pkt., 20c; ½ oz., 40c; oz., 70c.

L-7 Bronze Beauty. 40 days. Bronze medal 1946, All America trials. This may be described as Oak Leaf with a bronze tinge in its leaves; a characteristic which is accompanied by superior resistance to hot weather. As early as Oak Leaf, and equally tender, with a delightful nutty flavor, it grows in a loose head. Its leaves of Oak Leaf shape, bleach to cream in the heart, and the soft green of the tips is suffused with ruddy bronze. Pkt., 25c.

L-5 Black Seeded Simpson. Matures in about 46 days. Its large rich green leaves are thin, tender, and crisp, forming a loose head. It is one of the most vigorous varieties in hot weather and slow to run to seed. It is especially adapted to the home garden. Pkt., 15c; oz., 40c; ¼ lb., $1.15.

L-15 Grand Rapids. 45 days. This home garden favorite, also extensively planted for hotbed or greenhouse growing. The leaves are light green, daintily curled, tender, crisp, delicious. Our selected stock has been bred to a high degree of uniformity in type and season. Pkt., 15c; oz., 40c; ¼ lb., $1.15.

L-14 Grand Rapids Resistant. Has a tendency to form heads when grown outdoors. Leaves more savoyed than the regular Grand Rapids. Pkt., 15c; oz., 45c; ¼ lb., $1.40.

L-11 Early Curled Simpson. (White Seeded Simpson). Very hardy and dependable; particularly popular for home gardens. Pkt., 15c; oz., 40c; ¼ lb., $1.15.

L-30 Prizehead. 47 days. Very early, quick growing and popular for home gardens, plant medium large, strictly loose leaf, outside leaves tinged red, inner leaves wholly green. Pkt, 15c; ½ oz., 25c; oz., 45c; ¼ lb., $1.25.

HEAD LETTUCE

L-6 Bibb. 57 Days. A small headed lettuce of excellent quality, popular in the middle south for many years. Leaves smooth, dark green, a favorite with chefs of luxury hotels. Pkt., 20c; ½ oz., 30c; oz., 50c.

L-18 Iceberg. 84 days. This makes a small head which is the tightest of any variety we know, and it resists hot weather well. It is an excellent home garden variety and entirely distinct from New York, which is sometimes called Iceberg. Pkt., 15c; oz., 45c; ¼ lb., $1.20.

L-8 California Cream Butter. 75 days. One of the best summer varieties, large solid heads, buttery flavor. Pkt., 15c; oz., 35c; ¼ lb., 85c.

L-10 Crisp as Ice. 74 days. Small dark green head overlaid with dark brown crumpled leaves, does not get bitter in hot weather. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., $1.25.

L-23 May King. 63 days. Very early variety. The outer leaves are tinged with brown; they fold close, permitting close planting in frames—tender yellow heart. Pkt., 15c; oz., 40c; ¼ lb., $1.00.

L-31 Big Boston. 75 days. Large heads of bright green leaves, very tender. Pkt., 15c; oz., 35c; ¼ lb., 75c.

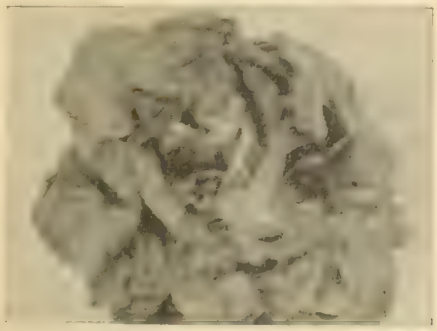
CALIFORNIA TYPE

L-32 Pennlakes. 75 days. An All American winner, 1949. An early heading lettuce that is particularly well adapted to midwestern and east coast growing. Pkt., 20c.; ½ oz., 45c; oz., 75c; ¼ lb., $2.25.

L-16 Great Lakes. 75 days. Plant large and vigorous and of good size and attractive color, is resistant to tip burn and stands up well under hot weather. The leading variety for midwestern growing. Pkt., 20c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25.

L-20 Imperial No. 456. 80 days. Developed by Cornell Experiment Station as a variety suitable for those who wish to grow head lettuce in July and August. Pkt., 20c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25.

L-26 New York No. 12. 80 days. Often weighs two pounds, stands hot weather quite well. We offer the highly selected strain known on the Pacific Coast as No. 12. Seed should be started indoors and the seedling plants can be set out when true leaves have been formed. Pkt., 15c; ½ oz., 30c; oz., 55c; ¼ lb., $1.25.



L-6 LETTUCE BIBB. Pkt., 20c.

CALIFORNIA TYPE—Continued

L-19 Imperial No. 44. 82 days. The latest introduction in blight resistant types. Heads a little earlier than 847 and is a little more curled. Pkt., 15c; ½ oz., 30c; oz., 55c; ¼ lb., $1.25.

ROMAINE OR COS LETTUCE

THIS type of lettuce forms upright loose folding heads, and the inner leaves bleach white. Esteemed the finest in flavor.

L-12 Express Cos. In 70 days. A Vaughan introduction. The most dwarf and earliest of all leaves dark green. Delicious flavor. Self-closing. Pkt., 15c; oz., 35c; ¼ lb., 90c.

L-29 Paris White or Trianon. In 75 days. Grows to large size. Self-closing. Pkt., 15c; oz., 35c; ¼ lb., 90c.

FAST GROWING FOR POULTRY

L-25 Chicken Lettuce. About 48 days. Here is a genuine lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When cut it starts at once to grow again. Pkt., 15c; oz., 35c; ¼ lb., 85c.

Other Salad Leaves

C-155 Water Cress (True Water). A distinct variety with small oval leaves. It thrives best when roots and stems are submerged in water. Pkt., 25c.

C-154 Upland Cress. 50 days. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., $1.15.

C-153 Curled Garden Cress. 50 days. Used with lettuce it adds an agreeable pungency. Pkt., 15c; oz., 45c; ¼ lb., $1.15.

C-151 Corn Salad. 45 days. (Fetticus or Lamb's Lettuce). A most refreshing salad, hardy, much used in winter in place of lettuce. Sow either in spring or fall. Pkt., 15c; oz., 75c; ¼ lb., $1.75.

Dandelion

D-1 Thick Leaf or Cabbage Variety. Cultivated for spring greens and salads. Unlike common sorts, almost double usual size. Pkt., 15c; ½ oz., $1.00; oz., $1.75.

Finnochio

H-22 Fennel, Florence. Similar to celery, but forming an oval bulb-like enlargement at the base of the stem, which has a pleasing Anise-like flavor, often used in fish sauces. Pkt., 15c; ½ oz., 30c; oz., 45c; ¼ lb., $1.35.

Garden Herbs

ROSEMARY

H-20 Mixture of Annual Herb Seeds for 25c. This is intended to meet the needs of those who want to grow a row or bed of herbs without sowing a full packet of each variety. It will contain all available varieties of useful annual herbs. Sow in a nursery row, or seed box and transplant to a row or border in the garden.

H-21 Mixture of Perennial Herb Seeds for 25c. For small gardens this will give enough plants of assorted varieties to supply the family needs, without the expense of purchasing a packet each. Sow in a nursery row and transplant in the fall to a permanent location.

H-1 Anise. Used for garnishing, seasoning and for cordials. Pkt., 15c; ½ oz., 30c; oz., 50c.

H-17 Basil, Sweet, Large Leaved. The leaves are used for flavoring soups and stews. Pkt., 15c; ½ oz., 35c; oz., 65c.

H-3 Borage. Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 10c; ½ oz., 35c; oz., 60c.

H-4 Caraway. Seeds are used for flavoring bread, pastry, meats, etc. Pkt., 10c; ½ oz., 30c; oz., 50c.

H-5 Catnip. Grown for bee pasture. The leaves and young shoots are used for seasoning. Pkt., 15c; ½ oz., 70c; oz., $1.35.

H-7 Coriander. The seeds are used for flavoring. Pkt., 10c; ½ oz., 30c; oz., 50c.

H-8 Dill. Leaves are used in pickles and for flavoring soups and sauces. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

H-12 Lavender Vera or True. The best. Pkt., 25c; ¼ oz., 50c; ½ oz., 90c; oz., $1.75.

H-13 Rosemary. Pkt., 15c; ½ oz., 40c.

H-14 Saffron (false). Used for coloring dishes, also, flavoring. Pkt., 15c; ½ oz., 40c; oz., 70c.

H-16 Summer Savory. The leaves and young shoots are used for flavoring. Pkt., 15c; ½ oz., 40c; oz., 75c.

H-15 Sage. English Broad Leaf. Pkt., 10c; ½ oz., 30c; oz., 50c.

H-9 Sweet Fennel. The leaves boiled are used in fish sauces and are excellent for garnishing. The seeds are used for flavoring. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., $1.35.

H-18 Sweet Marjoram. Pkt., 15c; ½ oz., 40c; oz., 70c.

H-19 Thyme. Used for seasoning; a tea is also made for nervous headache. Pkt., 25c; ¼ oz., 60c; ½ oz., $1.00; oz., $1.85.

Garden Huckleberry

G-1 Well described by the above name, this bears racemes or bunches of dark berries, ½ inch in diameter, which make preserves. The bushes are about 3 feet tall. Cultivation is the same as with the tomato, of which this plant is a distant cousin. Pkt., 15c; ½ oz., 50c; oz., 90c.

Storage Onions Are Best Grown from Seed

SOW with the earliest crops, in rich soil, in drills ½ inch deep. Thin to 4 inches apart, using discards in green stage. Water when needed. Harvest after tops shrivel and dry in the sun, store in a dry place.

Quantity needed to sow: 25 ft., 1 pkt.; 125 ft., 1 oz.; acre, 6 lbs.

ONION SOUTHPORT YELLOW GLOBE. Pkt., 15c.

WINTER KEEPERS

O-10 Golden Globe. 115 days. An exceptionally fine yellow globe onion of superior weight, popular for growing globe-shaped sets of excellent keeping quality; very productive. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

O-19 Southport Yellow Globe. Ball Type. 110 days. Superior for muck soil, a fine keeper that is preferred by large onion growers. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

O-18 Southport Red Globe. About 110 days. A perfect globe shape, deep red skin and tinted white, one of the best winter keepers. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

O-13 "Mountain" Danvers. 100 days. Slightly smaller than Southport. When aphis damages the late onion crop it does not harm this variety, due to early maturity. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

O-14 Large Red Wethersfield. About 100 days. Bulbs 2 to 2½ inches thick, flat, deep red, flesh pinkish white and firm, used extensively for growing sets. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

O-9 Fancy Yellow Globe Danvers. About 110 days. Medium large, globe shaped, yellow with white flesh, firm and hard, good keeper. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

O-6 Brigham Yellow Globe. 110 days. A Southport Yellow Globe strain that is popular because of its excellent keeping and productive quality. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

O-20 Southport White Globe. About 110 days. A strikingly handsome onion; early, ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

FOR GREEN ONIONS

O-23 White Lisbon (Bunch Onion). The best green Bunch Onions from seed are grown from White Lisbon, producing tender, long, white tops. If hilled a little these green and white stalks may be consumed entirely. Does not get tough like the White Welch or Winter Top. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

O-11 He-Shi-Ko. 50 days. An early bunch onion deserving of more popularity, is hardy and may be sown either spring or fall. A fall sowing will produce green onions very early in the spring. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

Flat and Pickling Type

O-25 White Portugal or Silverskin. About 100 days. This is a splendid sort for growing white onion sets, pickles and for early bunching green onions. A medium size bulb, flat shape, has fine mild flavor, and is best of the white onions for keeping. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

O-8 Ebenezer. In 100 days. There is a tremendous demand for this yellow skinned onion for the growing of Onion Sets. Ebenezer is a fine keeper, mild and well flavored. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

BERMUDA TYPE

O-7 Crystal White Wax. In about 90 days. This is a pure white flat onion, very popular in the south, especially in Texas. Will make only small onions in the north from seed. Very sweet. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

SPANISH TYPE ONIONS

Valencia Sweet Spanish (Utah Strain). A sweet, mild giant onion. From seed sown direct in the garden it will produce onions weighing a pound; if started in the hot bed two pound specimens can be grown. It comes in two colors, yellow and white, both alike otherwise.

O-21 White. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

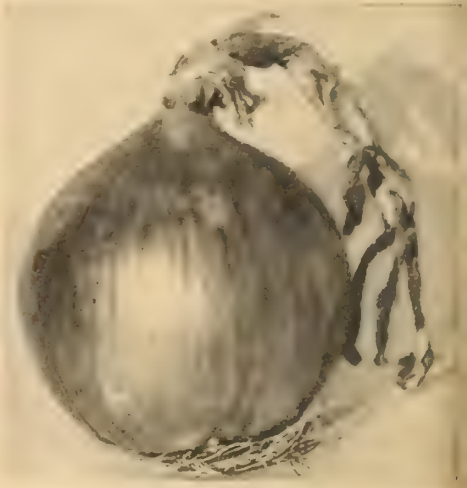
O-22 Yellow. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

Riverside Sweet Spanish. 110 days. A California strain. When grown in southern California attains enormous size, 4 to 4½ pounds.

O-16 Yellow. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

O-17 White. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

O-15 Prizetaker. American Grown. **105 days.** Same type as the large Spanish Onions. Globes large, globular and the skin is thin and a light shade of yellow. Flavor mild. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.



ONION SWEET SPANISH WHITE. Pkt., 15c.

Garden Guide. This book of 576 pages, with 300 illustrations, was written by 28 authors. It deals with every phase of home gardening, including vegetables, flowers, trees and shrubs, canning and preserving. $3.50.

Onion Sets Grow Quickly

WHITE RED YELLOW
VAUGHAN'S BOTTOM ONION SETS

BECAUSE of the long growing season required by all onions grown from seed, most amateur gardeners use onion sets for producing both green onions, and mature bulbs. "Bottom sets," so-called to distinguish them from top sets, produced by some varieties of onions instead of seed, are onion bulbs artificially dwarfed by being sown thickly in rows, and stored over winter to be planted the next spring for a speedier harvest than seed would produce. Succession plantings can be made as long as the sets remain in good condition. For growing mature onions in home gardens we recommend Golden Globe sets.

Use large sets planted 2 in. deep for green onions, smaller 1 in. deep for mature onions; space the first one inch apart, the second 3 to 4 inches. Plant with the earliest crops.

Green onions will be ready in three weeks, mature onions in three months from the planting date. The use of sets thus shortens by many weeks the time it would take to grow either green or mature onions from seed.

Quantity needed for 75 to 100 ft., 1 lb.

O-32 White Bottoms. Our sets of these are very choice, small, dry and unsprouted. Lb., 45c; 2 lbs., 85c; 5 lbs. for $1.75; 10 lbs. for $3.25.

O-34 Yellow Bottoms. Fine dry sets, medium in size and unsprouted. Lb., 45c; 2 lbs., 85c; 5 lbs., $1.75; 10 lbs. for $3.25.

O-31 Red Bottoms. Bright, deep red in color, even and dry. Lb., 45c; 2 lbs., 85c; 5 lbs., $1.75; 10 lbs. for $3.25.

O-30 Golden Globe. Large yellow globe. Very desirable as a large dry onion for the home gardener. A superior keeper. Lb., 45c; 2 lbs., 85c; 5 lbs., $1.75; 10 lbs. for $3.25.

O-35 Yellow Multipliers. Especially valuable for the first early spring onions. They are very mild and sweet, and there are usually several stalks from a single bulb. Lb., 55c; 2 lbs., 95c; 5 lbs., $1.90; 10 lbs. for $3.65.

Garlic Sets

G-2 Selected Bavarian. **In about 110 days.** Garlic is grown by planting the small bulbs in rows, 4 inches apart in the row. Cover the bulbs with one inch of soil. When the tops turn yellow, lift the bulbs and dry in the shade. To keep for the winter, hang in strings in a dry basement. Lb., 75c; 10 lbs., $6.00. Postage extra. Write for latest market prices on quantities.

Chives

C-98 A perennial herb, a member of the onion family which every garden should grow. The slender, tubular leaves have a delicate onion flavor, just enough to season a green salad when the chopped-up leaves are used. Bears attractive flowers of a beautiful lavender. Pkt., 15c; ½ oz., 45c; oz., 85c.

Horseradish Sets

Horseradish. The roots produce good radish, fit for use in one season's growth. Plant roots in trench, pressing small end down, and cover with 3 to 4 inches of soil. Raise the plant once in the early season, without disturbing the tap root end, and rub off all excess rootlets. Doz., 50c; 100, $2.50; 1,000, $20.00

Ten Thousand Garden Questions. Answered by 35 experts, edited by F. F. Rockwell. It solves all problems for the home gardener. Many diagrams and illustrations. 1467 pages. $4.95.

EGYPTIAN PERENNIAL SETS (Top Sets)

FOR FALL PLANTING

O-29 Egyptian or Red Perennial. For fall planting only. This variety never forms a large bulb; its value lies wholly in its special adaptability to produce green onions for spring or fall use which are perfectly hardy and stay in the ground all the time. We sell sets in fall only, to be planted for early spring crop. Postpaid, lb., 50c; 5 lbs., $2.15; 10 lbs., $4.00.

L-2 LEEK ELEPHANT. Pkt., 15c.

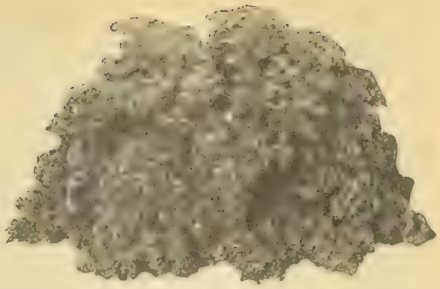
Leeks

LEEKS are better if transplanted. Use a dibber, set the plant deep in the hole and do not fill it up but let the soil wash in. Leeks are cousins of the onions and their flavor is subtly different when used in stews. All varieties mature in about 130 days.

L-2 Elephant. Largest of all leeks. Pkt., 15c; ½ oz., 40c; oz., 65c.

L-4 Large Musselburg. Enormous broad leaves, mild flavor. Good exhibition sort. Pkt., 15c; ½ oz., 40c; oz., 65c.

L-1 Broad Scotch or London Flag. Hardy; a strong plant, with broad leaves. Pkt., 15c; ½ oz., 40c.; oz., 65c.



P-30 PARSLEY, Champion Moss Curled. 10c.

Parsley

PARSLEY should be sown early because it is very slow to germinate; and it is best to use radish seed mixed with the parsley seed to mark the rows. Parsley is one of the richest of green vegetables in vitamin A, and iron.

The rooted parsley provides excellent flavoring for soups and stews. Quantity needed to sow 50 ft., 1 pkt., 200 ft., 1 oz.

P-30 Champion Moss Curled. **In about 70 days.** Robust, compact plants; the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color. It is quite hardy. Pkt., 10c; oz., 25c; ¼ lb., 65c

P-34 Extra Triple Curled Parsley (Vaughan's XXX). **75 days.** Plant compact, leaves dark green and so finely cut and closely curled as to resemble tufts of moss. Many of our customers plant it as a border. Pkt., 10c; oz., 25c; ¼ lb., 65c

P-33 Plain or Italian. **72 days.** Not curled. However, the flavor is excellent and plant is very hardy. Pkt., 10c; oz., 25c; ¼ lb., 65c

P-32 Hamburg Rooted. **90 days.** Resembles a small parsnip. Used for flavoring soups. Our strain is exceptional. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Parsnips

PARSNIPS may be harvested at times when the ground has little else to offer. Let them remain in the ground over winter, and dig them during a thaw or when the spring thaw comes—they will be as sweet and tender as ever. A freeze is required to sweeten them. Quantity needed to sow 25 ft., 1 pkt., 150 ft., 1 oz.

P-42 All American (Marrowfat). **95 days.** This variety produces roots of uniform good size, fine shape, clean, smooth skin. In flavor it is unequalled. For exhibition it is a winner. Pkt., 10c; oz., 40c; ¼ lb., 75c.

P-40 Hollow Crown, Long Smooth. **About 95 days.** Tender and sugary; one of the best. Pkt., 10c; oz., 35c; ¼ lb., 65c.

P-40 PARSNIP, HOLLOW CROWN. Pkt., 10c.

P-11 LITTLE MARVEL PEA. Pkt., 15c.

Sow Early for Success With Peas

PEAS are rich in sugar, which begins to turn to starch when they are picked; thus home gardeners alone can enjoy this crop at its best.

Where hot dry summer weather cuts short the crop, the problem is to get the heavy yield, large size and sugar content of the late sorts into early yielding varieties which will bear a crop before the summer's drought arrives. Our strains are selected for these qualities. Quantity needed for 100 ft., 1 lb.

Sow smooth seeded with earliest crops, wrinkled peas two weeks before frost proof date. Sow 2 inches deep, two inches apart in row, or in twin rows, 6 inches apart, with support between. Crop must mature before hot weather.

DWARF

P-11 Little Marvel. 64 days. The most satisfactory pea in the average home garden. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vine 18 inches, pod dark green, well filled. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

P-7 Giant Stride. 74 days. Pea blight is a wilt affecting peas when they are planted too often in the same ground. You will find Giant Stride nearly 100% resistant, as well as of top quality and a heavy yielder. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

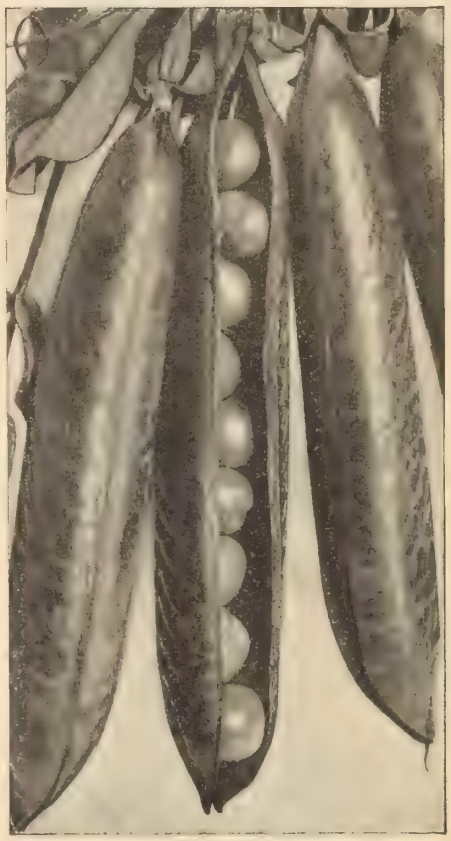
P-12 Nott's Excelsior. In 60 days. Almost as early as the round seeded varieties, but far superior to them in quality. Vines about 16 inches high, pods about 3 inches long, each containing 5 to 7 peas of good size, tender and delicious. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

P-13 Premium Gem. 60 days. An extra early old type garden pea that could well be replaced by Nott's Excelsior or Little Marvel, as they are superior. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

P-10 Laxton's Progress. 62 days. The earliest and by far the best of the large-podded, large fruited wrinkled peas. Of all the varieties producing peas of equal quality, this is the heaviest yielding. It bears long pods, averaging one more pea to the pod than Hundredfold. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

P-8 Hundredfold. About 62 days. This is another of Vaughan's Specials that has proved itself a winner for gardeners. It is extra early, has large pods like "Telephone," which are filled with the finest flavored peas. Hundredfold is in season a few days later than the first earlies. It excels in size, appearance and productiveness. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

P-5 Dwarf Telephone or Daisy. About 76 days. A midseason maturing sort of merit; vines are dwarf and bear large, bright green pods, each containing 8 to 10 peas of finest quality. This is a splendid variety, of which we offer a high-class reselected stock. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c



P-14 THOMAS LAXTON. Pkt., 15c.

Two Pounds Prepaid

Catalogue prices of peas, beans and sweet corn include prepayment on lots up to and including 2 pounds. For postage charges on larger lots, see page 96.

SEEDLESS-SET CONCENTRATE

Make Every Tomato Flower Set Fruit

Apply with any spray to flowers of tomatoes, cucumbers, peppers, egg plants. Fruits produced by blossoms sprayed are **seedless**, of premium quality. Developed by famous Boyce, Thompson Institute. One-half ounce will treat 100 plants, **$1.00; 2 oz., $2.50; 20 ounces, $7.50**, prepaid.

Eat Your Own Peas Six Weeks for 40¢

IN sections where spring is late, and hot weather arrives soon after, best results with peas are obtained by sowing an early, midseason and late variety all at the same time. We recommend the varieties below for this purpose.

Sow in Early Spring

ALASKA—Earliest
LITTLE MARVEL—Dwarf, Early
THOMAS Laxton—Medium, Main Crop

1 Pkt. of each (3 pkts.),.....40c.
½ lb. of each (1½ lbs.),.....85c.
1 lb. of each (3 lbs.),.....$1.35

Tall Peas

THE gardener who takes pride in his peas and whose space is unlimited will find the tall-growing sorts unequalled for length of season, heavy yielding and high quality. Support should be given and they should be planted with plenty of room. Liberal fertilizing will be well repaid.

P-9 Improved Telephone. 74 days. Of the tall-growing varieties of late peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. Grows 4 feet high; is a main crop variety, and a heavy yielder. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

MEDIUM HEIGHT

A HEAVIER yield without sacrificing quality is obtained from the varieties of peas which require some support. The varieties listed below grow to three feet high and should be given support of chicken wire or brush between companion rows. The smooth podded sorts may be sown first, and if not allowed to mature too much, will be found to be of good table quality.

P-6 Green Bayou. 64 days. A cross between Thomas Laxton and Creole made by Dr. Miller of Louisiana State experiment station. This variety has resistance to heat and possesses a better quality comparable to Alaska. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

P-15 World's Record or Improved Gradus. 57 days. Gradus is the greatest of the wrinkled peas; it is large, early, and in flavor equal to the best wrinkled kinds. It is tender and should be planted in the warmest spot in the garden. Vines 30 inches, pods 4 inches long, beautiful green color, with 7 to 8 or more rich, tender peas in each. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

P-14 Thomas Laxton. About 62 days. The best pea for freezing. This is a selection of Gradus. The season is identical, but the pods are square at the end and deeper green. Vines are 3 to 3½ feet high. A better yielder than Gradus. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

P-1 Alaska—Called Earliest of All. In about 57 days. Alaska seed is bluish in color and smooth This is the earliest pea to mature and is used extensively in Wisconsin for canning. Pkt., 15c; lb., 45c; 2 lbs., 85c.

EDIBLE POD PEAS

Cooked Like String Beans

P-4 Dwarf Gray Sugar. About 65 days. The pods, not the seed of this variety are eaten. They are borne on vines 16 inches tall, and should be picked before seeds form. At this stage they are; stringless, brittle and succulent. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

Kohlrabi

SOW in April or May, in rows, thin to 8 inches. The globular fruits grow above ground, are stripped and cooked like turnips, but are much sweeter.

VIENNA KOHLRABI EARLY WHITE. Pkt., 15c.

K-11 Early White Vienna. 55 days. White and tender. Pkt., 15c; ½ oz., 35c, oz., 55c.

K-10 Early Purple Vienna. About 60 days. Pkt., 15c; ½ oz., 35c; oz., 55c.

Okra

OKRA pods are used in soups, stews and salads. It is a hot weather plant, but can be grown in the North much like corn, the plants being started indoors in paper pots. The pods should be gathered each day while still tender and pulpy.

Quantity needed for 15 ft., 1 pkt.; 50 ft., 1 oz.

O-4 White Velvet. 70 days. Produces pods larger than any other. Pkt., 10c; oz., 25c; ¼ lb., 60c.

O-3 Tall or Perkins Mammoth. 68 days. The long pods, measuring 4 and 5 in. are produced in great quantities. Pkt., 10c; oz., 25c; ¼ lb., 60c.

O-2 Dwarf Long Pod. 65 days. Low, stocky and productive, with long pods. Pkt., 10c; oz., 25c; ¼ lb., 60c.

O-1 Clemson Spineless. 55 days. Similar to Dwarf Long Pod; a little taller bush, having longer and darker pod. Pkt., 10c; oz., 25c; ¼ lb., 60c.

O-2 OKRA DWARF LONG POD. Pkt., 10c.

Oyster Plant (Salsify)

THOUGH not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall, while those for early spring use may be left in the ground over winter.

S-1 Mammoth Sandwich Island. This variety is much more uniform in growth than the old standard "Long White" variety; it is twice the size and weight; the roots are of superior quality and flavor. Pkt., 10c; ½ oz. 35c; oz., 65c.

NO SEED HORMONE BLOSSOM SET

Grow earlier, larger, meatier tomatoes. More on each plant. Easy to use Hormone spray. Stops blossom drop. Tomatoes ripen up to three weeks earlier, are larger, firmer; many are seedless. Excellent for strawberries, peppers, cucumbers, etc. 4 oz. bottle makes 1 gallon of spray, price each, 75c postpaid; pint, makes 4 gallons, price each, $1.75 postpaid.

Peppers, Sweet or Hot

THE plants should stand eighteen inches apart in rows. They are constantly becoming more popular, both in salads and for use in cooking. One packet produces 75 plants; oz., 1,000 plants. Plants started eight weeks before are set out one week after frost-proof date. Harvest continues until frost, if vines are picked clean.

P-61 PEPPER HUNGARIAN OR BANANA SWEET Pkt., 15c.

P-65 Vaughan's Hybrid. A true hybrid pepper that is exceptionally fine for home garden or market. Pkt (60 seeds.) 35c — See Novelty Page 4.

P-51 Bull Nose, Hot. 60 days. A pungent pepper. Pkt., 15c; ½ oz., 40c; oz., 75c.

P-52 California Wonder. 75 days. A mild, sweet variety, very large. It resembles Chinese Giant in form, but has much thicker flesh. It has a crimson fruit. Pkt., 15c; ½ oz., 50c; oz., $1.00

P-57 Early California Wonder (Calwonder). Matures in about 65 days. A quality giant, is recommended for the home garden. Mild, sweet, mid-season, it produces fruits 4 x 4½ inches with thick flesh a deep green changing to bright crimson. Pkt., 15c; ½ oz., 50c; oz., $1.00.

P-53 Cayenne. 70 days. Long, red, hot. Pkt., 15c; ½ oz., 40c; oz., 75c.

P-56 Dixie Wonder. 75 days. A mild green heavy bearing pepper that does well in the deep south. The fruit are blocky in type but vary in shape, having from two to four lobes. Pkt., 15c; ½ oz., 50c; oz., $1.00.

P-58 Giant Magnum Dulce. 67 days. This mild pepper grows to 7 inches long and 4 inches through—but when grown so large the yield is small. To get a large yield of medium sized peppers, pinch off the first buds. Pkt., 15c; ½ oz., 45c; oz., 85c.

P-75 Golden California Wonder. 80 days. The same as California Wonder except that the fruit turns a bright golden yellow. Pkt., 25c; ½ oz., 65; oz., $1.20.

P-59 Harris' Early Giant. 63 days. Heavy yielder among the large peppers, also earlier. The plants are vigorous; peppers 4 x 4½ inches. Color, deep green turning to red, very sweet. Pkt., 15c; ½ oz., 40c; oz., 75c.

P-60 Hungarian or Banana (Hot). 65 days. A slender hot pepper much prized for canning. It is 1½ inches in diameter at the base and often 7 inches long. Yellow turning to red. Pkt., 15c; ½ oz., 50c; oz., 90c.

P-61 Hungarian or Banana (Sweet). 65 days. Same as above, but sweet. This is a specialty of ours. The plants are strikingly uniform and the fruits are borne in great numbers. Pkt., 15c; ½ oz., 60c; oz., $1.15.

P-63 King of the North. 64 days. A sweet medium, short and blocky. Not quite as early as Early Giant. Pkt., 15c; ½ oz., 40c; oz., 75c.

P-64 Large Bell. 60 days. Large, mild. Pkt., 15c; ½ oz., 40c; oz., 75c.

P-62 Patrick Henry. 58 days. The earliest variety we know. It bears thick-fleshed green fruit, 3 to 4 lobed, which turn red when mature. Excellent for the home gardener wishing an early crop. Pkt., 15c; ½ oz., 50c; oz., $1.00.

P-68 Pimento Perfection. 73 days. Flesh thick and very mild. Must be started early in the north to mature. Pkt., 15c; ½ oz., 45c; oz., 85c.

P-70 Ruby King. In 68 days. One of the most popular growing 4½ to 6 inches long, 3½ to 4 inches thick. The peppers are a bright ruby-red and quite sharp in flavor. Pkt., 15c; ½ oz., 40c; oz., 75c.

P-69 Red Chili. 75 days. An exceptionally prolific variety that is really hot. The fruit are thin fleshed, very pungent light green becoming dark red when mature. Used extensively for pepper sauces, pickling and drying for winter use. Pkt., 15c; ½ oz., 45c; oz., 75c.

P-71 Sunnybrook. 73 days. Tomato shaped, very early and productive. Fruits 2 in. deep and 3 in. diameter, smooth, glossy, dark green, turning deep red. Flesh thick and sweet. Pkt., 15c; ½ oz., 50c; oz., 90c.

P-74 Waltham Beauty. 70 days. A California Wonder type, smaller but more productive and earlier. Pkt., 15c; ½ oz., 40c; oz., 75c.

VEGETABLES RECOMMENDED FOR FREEZING

Asparagus, Mary Washington

Beans (lima) Baby Fordhook, Burpee's Improved Bush, Fordhook, Henderson's, King of the Garden, Triumph.

Beans (snap) Topcrop, Bountiful, Giant Stringless Greenpod, Kentucky Wonder, Tendergreen, Rival.

Beans (wax) Cherokee, Brittle Wax, Pencil Pod Black Wax.

Beets, Crosby, Detroit Dark Red

Broccoli, Italian Green Sprouting, De Cicco.

Brussels Sprouts, Improved Dwarf, Long Island Improved.

Carrots, Chantenay Red Core, Danvers Half Long, Imperator, Nantes, Sweetheart.

Cauliflower, Snowball, Ideal.

Corn (sweet) Bantam Evergreen, Golden Bantam, Golden Cross Bantam, Improved Carmel Cross, Stowell's Evergreen, Stowell's Evergreen Hybrid

Egg Plant, Vaughan's Hybrid, Black Beauty.

Kohlrabi, Early White Vienna.

Peas, Alderman, Hundredfold, Improved Gradus, Thomas Laxton, Laxton's Progress, Little Marvel, Stratagem, Telephone, World's Record.

Rhubarb, MacDonald, Ruby.

Spinach, Bloomsdale, King of Denmark, Long Standing, Nobel, Old Dominion, Viking.

Squash, (winter) Blue Hubbard, Buttercup, Butternut, Golden Delicious, Golden Hubbard

Swiss Chard, Lucullus, Fordhook.

Turnips, Purple Top Strapleaf, White Globe.

SMALL SUGAR PIE PUMPKIN. Pkt., 10c.

Pumpkins

SOW when the ground is warm and give the plants room to ramble. The partial shade of the sweet corn plot is ideal. A few hills will provide amply for pies and Jack O'Lanterns.

P-97 Small Sugar Pie Pumpkin. 110 days. Well known as the best pie pumpkin. The fruit is small to medium size, with solid fine grained flesh, and a sweet, sugary, delicious flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

Cushaw. 110 days. We offer three strains, White, Striped and Golden. A favorite pumpkin for pies, having no seeds in the neck, all being confined in the enlarged portion near the blossom end. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

P-92 White. P-91 Striped. P-90 Golden.

P-96 Mammoth Prize. About 120 days. Specimens have grown to 100 lbs.; notwithstanding, it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a long season and plenty of room (one plant to a hill). Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., $2.25.

P-98 Winter Queen or Winter Luxury. About 100 days. A quality pie pumpkin and the best winter keeper if care is taken in storage. Nine or ten inches in diameter; its skin is a beautiful deep orange-yellow with a close netting. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

P-93 Kentucky Field (Large Cheese). About 120 days. Used largely for canning and stock feeding. Fruits very large and flat, skin creamy buff, flesh extremely thick, deep salmon yellow and of good quality. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

P-95 Large Field or Big Tom. 110 days. A standard variety grown in corn fields for a feeding crop and the pumpkin generally used at Halloween time for Jack O'Lanterns. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

PUMPKIN "BIG TOM" Pkt., 10c.

Radishes for All Season

RADISHES from April to December are possible for the home gardener who sows early, midseason, summer and winter types.

Radishes supply, in a 2 oz. portion, 61U of Vitamin B-1; 11 milligrams of Vitamin C, 0.01 milligram of Vitamin B2.

Our strains are grown with the greatest care, which involves considerably increased cost, but the additional cost is small compared with the great difference in your crop.

Quick growth is the secret of success. A rich, light soil is required. The globe and olive varieties grow faster than the long type, and turn pithy sooner. The long types grow more slowly and are slower to turn pithy, so they endure heat better. Winter radishes should be sown in June or later and allowed to develop in the cool moist fall weather. Quantity needed for 15 to 20 ft., 1 pkt.; 75 ft., 1 oz.

Sow with earliest crops, ½ inch drill, 5 seeds to the inch. Sow early types one week's supply at a time, at weekly intervals. Mix with parsnips, parsley and carrots, to mark the row. Harvest when large enough to eat. Summer and winter types have longer harvest.

(F.) Forcing Sorts.

R-9 Cherry Belle. 25 days. All American winner, 1949. See Novelty Page 5. Pkt., 25c. oz. 35c; ¼ lb., 65c; lb. $1.75.

Early Scarlet Globe Select. (F.) 23 days. Vaughan's Glasshouse strain. For hotbed and greenhouse forcing, and outdoor planting. Very early, crisp, mild and tender; rich, bright scarlet in color, of uniform globe shape. It is ready for the table in 25 days. For the home, plant every 10 days until into June; again end of August.

R-11 Short Top: Pkt., 15c; oz., 25c; ¼ lb., 50c; lb., $1.50.

R-10 Medium Top: Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

R-11 RADISH SCARLET GLOBE SHORT TOP. Pkt., 15c.

R-13 Icicle. 27 days. The finest white, which remains crisp and mild long after maturity. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

R-14 French Breakfast. (F.) 25 days. Early olive-shape, 2 inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

R-22 Cavalier. 23 days. Roots are olive shaped and bright scarlet. Tops are slightly larger than short topped Scarlet Globe and it will mature just as quickly. For an early maturing red radish either indoors or outdoor we strongly recommend this. Pkt., 15c; 1 oz., 25c; ¼ lb., 50c; lb., $1.50.

R-12 Giant Butter. 28 days. By far the largest of the early globe radishes. In rich soil it will produce crisp, spicy, tender roots of perfect globe shape two inches in diameter, only a week later than the smaller globe types. It is seldom found in the market and will make your friends talk. Pkt., 10c; oz., 20c., ¼ lb., 50c.

R-7 Crimson Giant. (F.) 28 days. For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet-flavored. Sow thinly. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

R-18 SCARLET TURNIP WHITE TIP RADISHES. Pkt,. 10c.

R-3 Brightest Long Scarlet. 26 days. This is a home garden favorite; the body is brightest scarlet color, which blends downward to a long tip of pure white. Matures in 25 days. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

R-6 Cincinnati Market. 28 days. A long red radish, short top. If your market uses a long sort try this one. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

R-18 Scarlet Turnip White Tip (Sparkler). 26 days. Vaughan's Selected Stock. This radish is a table dainty, crisp, tender and sweet; it is turnip-shaped, bright scarlet color with white tip, and is a high-class strain for outdoor planting. It combines beautiful appearance with finest radish quality-appealing to the eye and palate. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

R-20 White Box — (Early White Turnip). 20 days. Our earliest white radish. Turnip-shaped, short top and a rapid grower, crisp. Pkt., 10c; oz., 25c; ¼ lb., 60c.

SUMMER RADISHES

R-13 RADISH ICICLE Pkt. 10c.

R-21 White Strassburg. 40 days. When hot weather comes and spring varieties would turn pithy or run to seed, this variety will keep in good condition for a long time and furnish a most welcome tang to the salad course. Sow early as it matures more slowly than other radishes. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

WINTER RADISHES

THESE should be sown from late in June to August, to produce the final radish crop. They grow largest of all and can be stored for some time after the ground is frozen. In spite of their size they are mild and of fine texture.

Each of the following, pkt., 10c; oz., 25c; ¼ lb 60c; lb., $1.65.

R-4 California Mammoth Winter. About 60 days. Long, very large size.

R-16 Rose or Scarlet China. About 52 days. Rose, medium size, fine keeper.

R-5 Chinese Mammoth or Celestial. About 60 days. Immense size, flesh always crisp and mild.

R-1 Black Spanish, Long. 58 days. Black skin and white flesh.

R-2 Black Spanish, Round. 56 days. Like Long Black, only round.

Green Leafy Crops

Richest of All in Vitamins

SPINACH—KING OF DENMARK. Pkt., 10c.

Swiss Chard

BEARS ALL SUMMER

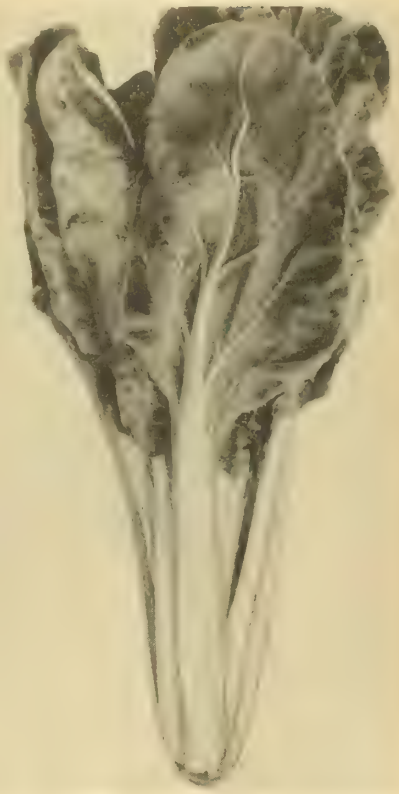
S-89 Summer Spinach. 45 days. This vegetable gives maximum returns for little care and space; it yields a constant crop from July to Winter. The leaves are used for greens the same as spinach or beet tops. Sow early in spring in rows 16 inches apart, and thin out to 6 inches in the rows. The leaves grow very large. Cut the leaves off and new ones grow quickly. As it grows, thin out for use and keep clear of weeds. Pkt., 10c; oz., 25c; ¼ lb., 65c.

S-88 Lucullus. About 52 days. A new Moss Curled sort. Very large leaves. Pkt., 10c; oz., 25c; ¼ lb., 65c.

S-87 Large White Rib. (Dark Green). 55 days. The leaf is large, smooth, dark green on a long fleshy stem, 1 to 2 inches wide. Pkt., 10c; oz., 25c; ¼ lb., 65c.

S-86 Fordhook. 57 days. This variety resembles Lucullus, but is a darker green. Pkt., 10c; oz., 25c; ¼ lb., 65c.

S-90 Rhubarb Chard. A recent introduction having all the chard characteristics excepting mid rib. Pkt., 10c; oz., 35c; ¼ lb., 95c.



S-87 SWISS CHARD. Large White Rib. Pkt., 10c

Spinach

SPINACH demands cool, moist weather. Seed should be sown at the earliest possible moment in spring in rows one foot apart and thinned to six inches in the row. It matures in 45 to 50 days and quickly runs to seed in warm weather. The Antvorskov variety listed below, is most free from this tendency.

Home gardeners have generally adopted Swiss Chard and New Zealand Spinach as a greens crop, as both may be cut many times and will produce a continuous crop all summer and until freezing weather in the fall. A fall crop of spinach may be sown in late July or August and will find the cool, moist autumn weather favorable for growth. The value of spinach in the diet has been scientifically established by the vitamin investigation.

S-9 Nobel Giant Thick Leaved. 45 days. The seed of this thick-leaved variety produces the largest spinach under cultivation. It grows rapidly and remains in good condition a long time. The medium-green leaves are large, rounded, slightly crumpled, succulent and tender. It is an excellent home garden spinach. Pkt., 10c; oz., 20c; ¼ lb., 50c.

S-12 Viking. 45 days. This 1935 All-America winner bears largest leaves of the thick-leaved type, and is almost as long standing as King of Denmark. Its leaves are smooth to slightly crumpled, dark green, and of excellent quality for home and market. Pkt., 10c; oz., 20c; ¼ lb., 50c.

S-7 King of Denmark (Antvorskov). 48 days. In our trials this variety has been slower to run to seed than any other sort. Antvorskov forms quite large tufts (or rosettes) compact and low. The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a glossy dark green color. Pkt., 10c; oz., 25c; ¼ lb., 65c.

S-6 Bloomsdale Long Standing. 45 days. Latest of the Long Standing Spinach introductions. Improvement was accomplished through the selection of hermaphrodite plants (bisexual), which run to seed much more slowly than the unisexual. This variety is of better quality than the Antvorskov (King of Denmark), having larger, Savoy type leaves. Pkt., 10c; oz., 20c; ¼ lb., 50c.

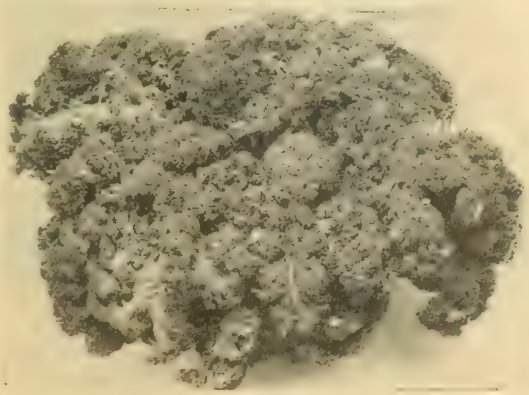
S-5 Bloomsdale Dark Green. 43 days. The leaf is savoyed, or crinkled, and of a darker green than Bloomsdale Long Standing. The dark color is preferred in some markets. Pkt., 10c; oz., 20c; ¼ lb., 50c.

S-10 Old Dominion. 40 days. An improvement over Virginia Blight Resistant being a longer standing variety. Pkt., 10c; oz., 20c; ¼ lb., 50c.

NEW ZEALAND SPINACH

Sow in Early Spring

S-8 New Zealand Spinach. Tetragonia Expansa. 60 days. While this is not a member of the Spinach family proper, it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked. Sow as soon as the garden is prepared in rows 3 feet apart and thin the plants to stand 2 feet apart in the rows. Soak the seed before sowing. Pkt., 10c; oz., 35c; ¼ lb., $1.00



K-1 DWARF GREEN CURLED KALE. Pkt., 10c

WOMAN'S HOME COMPANION GARDEN BOOK

Edited by JOHN C. WISTER

Director of the Arthur Hoyt Scott Horticultural Foundation and the John Tyler Arboretum in Pennsylvania. Specific chapters written by 50 horticultural experts. A complete guide to every phase of planning and cultivating flowers, vegetables, shrubs, trees, lawns and vines, with specific directions for the six temperate zones found in North America. Packed with illustrations; 24 full pages in gorgeous natural color; 56 full page photographs; 200 line drawings. Over 1,000 pages, $4.95 postpaid.

Kale or Borecole

GREENS for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later. Frost improves flavor.

K-1 Dwarf Green Curled. In about 55 days. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in south find ready sales in the north. Pkt., 10c; oz., 30c; ¼ lb., 90c.

K-3 Tall Green Curled. About 75 days. Pkt., 10c; oz., 35c; ¼ lb., $1.00.

GARDEN SORREL

S-3 Is boiled and served like spinach, also delicious for soups. As the hot sun tends to increase its acidity, a northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy, but should be divided every four years. Pkt., 15c; oz., 75c

MUSTARD

Leaves useful as salad or boiled like Spinach. Matures in 30 days.

M-76 Tendergreen. A new variety of greens, producing only a small root, but large green leaves having a small rib. It is ready for table or market in 21 to 25 days and will produce 8 to 9 crops a year. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

M-72 Florida Broadleaf. Upright growing, deep green leaves, fairly smooth. Desirable for greens because of the ease of preparing and its pleasant pungent flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50

M-73 Giant Southern Curled. Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like spinach. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

M-74 Improved Ostrich Plume (Fordhook). The handsomest of the mustards. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50

Squash Improved in Taste and Texture

REAR, LEFT TO RIGHT, ACORN, BUTTERCUP, BUTTERNUT.
FRONT, SWEET POTATO IMPROVED.

GROWING popularity of squash as both summer and winter vegetable is due to the improvement in flavor, and texture of the flesh, and to the new methods in cooking, which bring the squash to the table with its taste unimpaired. For summer, bush squash and vegetable marrows are best suited to the home garden, the latter being delicious at all stages, from infancy to maturity. The new winter varieties Buttercup and Butternut, have rapidly become rivals of the older types in popularity.

Sow one inch deep, in light soil, sunny location. Space bush types 3 feet apart in row, vine types in hills six feet apart, 3 plants to hill. Use summer squash at any size, delicious in baby stage.

WINTER VARIETIES

S-40 Uconn. 75 days. A bush type of Acorn (gold medal winner 1950 All America). See Novelty page 6. Pkt., 25c; oz., 65c; ¼ lb., $1.85.

S-20 Acorn, Table Queen or Des Moines. 80 days. Extremely prolific; one of the most popular for home, market garden and shipping; fruits pointed acorn shape, 5½ inches long and 4 inches through; skin smooth, dark green; shell thin; flesh light yellow, bakes dry and sweet. Pkt., 10c; oz., 35c; ¼ lb., 85c, lb., $2.50.

S-24 Butternut. 100 days. A recent introduction which has become very popular. Delicious when used for pies and excellent either baked or boiled. Resistant to stem borer. Pkt., 15c; oz., 50c; ¼ lb., $1.50.

S-23 Buttercup. 100 days. A distinct, outstanding winter squash developed at the North Dakota Agricultural College, highly productive, unique, turban-shaped, fruits 6 to 8 inches in diameter, slightly ribbed, deep dull green faintly striped and flecked with dull gray. Prominent button at blossom end, dry and of excellent quality. Pkt., 15c; oz., 50c; ¼ lb., $1.50.

S-30 Sweet Potato Improved. (Delicata Resistant). 100 days. Its vigorous vine, resistant to mosaic disease, produces fruits averaging 8 to 9 inches, 3½ to 4 inches in diameter. Cream skin is marked by green stripes; flesh thick, orange and of unsurpassed sweetness. Pkt., 10c; oz., 35c; ¼ lb., 85c.

Delicious (Green or Golden). In 102 days. A fall and winter variety. The fruit varies from 5 to 10 pounds each.

S-27 Green. Pkt., 10c; oz., 35c; ¼ lb., 85c.

S-29 Golden. Pkt., 10c; oz., 35c; ¼ lb., 85c.

S-25 Chicago Warted Hubbard. 110 days. Fruits are slightly larger than True Hubbard. Skin is rough and dark green. Flesh bright orange, fine grained, rich and dry. Pkt., 10c; oz., 35c; ¼ lb., 85c.

S-31 "Kitchenette" (Hubbard). 110 days. Named "Kitchenette" because it is the smallest Hubbard, about 5 pounds. Pkt., 10c; oz., 35c; ¼ lb., 95c.

S-22 SQUASH BLUE HUBBARD, Pkt., 10c

S-22 Blue Hubbard. 110 days. A third larger than Chicago Warted and more prolific. We believe that it is superior in yield, quality, size and keeping. The blue-gray shell is more attractive and many prefer it. Pkt., 10c; oz., 35c; ¼ lb., 85c.

S-35 Improved Hubbard. In 110 days. Not as large as Chicago Warted, but in shape and quality similar. Flesh is sweet and fine grained, and fruits keep well. Pkt., 10c; oz., 35c; ¼ lb., 85c.

VEGETABLE MARROWS

S-39 Caserta. 60 days. An Italian Cocozelle type that won a Gold Medal in All America. The fruits mature almost a week earlier in much greater numbers. The fruit are delicious at the size of a banana. Pkt., 25c; oz., 65c; ¼ lb., $1.85.

New Italian Marrow. (Zucchini). 60 days. When matured it is 18 in. long, 5 to 7 inches in diameter and an excellent keeper, very dark green. A bush type and very productive. There is nothing better for slicing and frying when small; if kept picked, it will continue to bear until frost. Delicious in the baby stage, 3 to 6 inches long.

S-34 Light Green or Gray Strain. Pkt., 10c; oz., 30c; ¼ lb., 85c.

S-33 Dark Green or Black Strain. Pkt., 10c; oz., 30c; ¼ lb., 85c.

S-26 Cocozelle (Italian Vegetable Marrow). Ready in about 65 days. A bush variety. Fruits oblong, ribbed, 2 ft. in length. Color dark green with yellow and darker green stripes. Very fine flavor. Pkt., 10c; oz., 30c; ¼ lb., 85c.

S-28 English Vegetable Marrow. About 100 days. (Cucurbita Pepo.) The fruit is generally eaten when less than half grown, as the flesh is then very tender. Also an excellent winter keeper when mature. Pkt., 10c; oz., 35c; ¼ lb., 85c.

OTHER TYPES

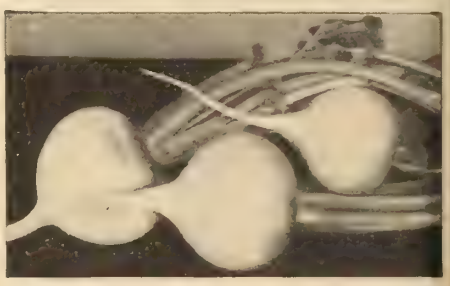
S-36 Prolific Straightneck. 55 days. Excels in tenderness, color and productiveness. Served when about 6 in. long, it is delicious. Pkt., 10c; oz., 30c; ¼ lb., 75c.

S-32 Mammoth White Bush. About 60 days. The leading white summer squash. It is an improvement on the "Early White Bush Scallop" in that fruits are quite a bit larger. Vines are extremely prolific and disease resistant. Fruit should be used when immature. Pkt., 10c; oz., 30c; ¼ lb., 75c.

S-37 Giant Yellow Summer Crookneck. In about 55 days. Our strain produces fruit, nearly double the size of the old "Crookneck." (Cucurbita Pepo.) Pkt., 10c; oz., 30c; ¼ lb., 75c.

S-21 Banana Squash. In 105 days. Of sweet potato quality, 12 inches long, 6 inches in diameter, gray green. Pkt., 10c; oz., 35c; ¼ lb., 80c.

S-38 Yellow Summer Crookneck. Popular for home, market garden and shipping. Fruits are 12 to 14 inches long and 3½ inches through; neck curved, skin orange, flesh yellow, moderately warted. Pkt., 10c; oz., 30c; ¼ lb., 75c.



T-93 TURNIP PURPLE TOP WHITE GLOBE. Pkt., 10c.

Turnips

TURNIPS are cool weather plants and thrive best in Spring and Fall. For early use, seed should be sown as soon as the ground can be prepared; it will give roots large enough for the table in six to ten weeks. For the Fall crop seed should be sown June to August and the plants will grow until freezing weather, when they should be harvested and stored.

T-93 Purple Top White Globe. 57 days. Originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe shaped, fine appearance, a good keeper. Pkt., 10c; oz., 15c; ¼ lb., 45c.

T-92 Purple Top Strap-Leaved. About 46 days. A table variety, fine, tender and deliciously flavored. It is broad shaped, medium size, white flesh, fine grain, splendid quality. Pkt., 10c; oz., 15c; ¼ lb., 45c.

T-88 Early White Milan. In 42 days. This can be used spring or fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet. Pkt., 10c; oz., 15c; ¼ lb., 45c.

T-95 Shogoin. 30 days. An extremely useful sort, it is quick growing and supplies large edible strap leaves as well as smooth globular roots of superior quality. Resistant to aphis and plant lice. Pkt., 10c; oz., 15c; ¼ lb., 45c.

T-94 Seven Top. 30 days. A variety much grown in the south for the tops, which are used as greens. Pkt., 10c; oz., 15c; ¼ lb., 35c.

T-89 Extra Early Purple Top Milan. About 42 days. Standard sort for the home and market garden and for forcing. Roots are flat and tops small with strap leaves. Pkt., 10c; oz., 15c; ¼ lb., 45c.

Rutabagas Mature in 90 days.

R-31 Improved American Purple Top. Is a fine strain of Purple Top. Largest size, best shaped variety, small neck, smooth skin; good cropper and keeper. A heavy yielder. Excellent table quality. Pkt., 10c; oz., 30c; ¼ lb., 65c.

R-32 Laurentian. A purple top globe having rich yellow flesh, one of the deepest globes and free from excess roots. Pkt., 10c; oz., 30c; ¼ lb., 65c.

Tomato is No. 1 Home Garden Crop

NO HOME garden should be without this crop, which excels in nutritive value, heavy yield for space occupied, and the many ways in which it can be served. Whether the big ones or the commercial type are preferred for a main crop, an early variety should always be grown to start the harvest.

Plants started six to eight weeks before are set out two weeks after frostproof date when all danger of chill is over. Pruned plants can be grown to stakes or fence 18 inches apart; space unpruned 2 to 4 feet apart. Plants for late varieties can be grown from seed in open, preferably not transplanted.

HYBRID TOMATOES

T-44 Vaughan's Early Hybrid. 72 days. A heavy yielding, very early and large fruited variety. Novelty page 4. Pkt., 25c.

T-20 Vaughan's Hybrid. 77 days. A very heavy producer of deep globed bright red fruit that weigh an average of 5 to 6 ounces. The fruit are borne in clusters of 4 or 5 on large vines. Pkt., 25c.

LARGE TOMATOES

T-19 Giant Tree. The most outstanding large tomato for size and quality, for description see Novelty Page 6. Packets only. 50c.

T-36 Ponderosa. Matures in about 88 days. One of the best for home use, fruits deep purplish pink, extremely large, commonly 9 to 12 oz. each; deep, but flat; very fleshy with few seeds; a very mild non-acid flesh. Pkt., 10c; ½ oz., 50c; oz., 95c.

T-34 Oxheart. Matures in about 90 days. Popular, late home garden variety, fruits are heart shaped, pink, flesh solid with few seeds, of mild flavor and very choice for salads. Pkt., 15c; ½ oz., 65c; oz., $1 25.

T-12 Crimson Cushion or Beefsteak. In about 96 days. Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Pkt., 15c; ½ oz., 65c; oz., $1.25.

EARLY, SMALL VINES

Do Not Prune.

T-16 Early Chatham. 60 days. The earliest tomato to mature fruit that we know of; fruits are small, very productive and rich red color. Exceptionally good for northern districts. Pkt., 15c; ½ oz., 50c; oz., 90c.

T-7 Bounty. 65 days. Compact, small vine, not to be staked. Introduced by Dr. Harold Mattson, North Dakota Experiment Station. Excellent for the home garden, very productive. Pkt., 15c; ½ oz., 50c; oz., 90c.

T-17 Firesteel. 68 days. A small vine tomato that produces remarkably large fruits early. Varieties are smooth, red of semi-acid flavor. It will set fruit when other types are dropping their blossoms and it resists cracking. Pkt., 15c; ½ oz., 50c; oz., 90c.

EARLY, LARGE VINES

T-41 Earliana. 66 days. Large, smooth bright red, compact with stout jointed branches; the vines yield well and the fruit is of fine quality. Pkt., 10c; ½ oz., 45c; oz., 85c.

T-25 John Baer. About 70 days. Only a few days later than Earliana. John Baer yields a much heavier crop of larger, more uniform and attractive red fruits. Most profitable extra early sort. Pkt., 10c; ½ oz., 40c; oz., 75c.

T-26 John Baer, Certified. Pkt., 15c; ½ oz., 50c; oz., 90c

T-5 Bonny Best. 74 days. A shade later than John Baer. Smooth, large and uniform fruit; yields well until frost. Pkt., 10c; ½ oz., 40c; oz., 75c.

T-6 Bonny Best, Certified. Pkt., 15c; ½ oz., 50c; oz., 90c.

T-20 Greater Baltimore (Indiana Strain). In about 83 days. Similar to Stone and very productive, fruits deep scarlet red often weighing 6 ounces; smooth and very solid. Pkt., 10c; ½ oz., 45c; oz., 75c.

T-21 Greater Baltimore (Indiana Strain), Certified. Pkt., 15c; ½ oz., 50c; oz., 85c.

No Seed Hormone Blossom Set. For Tomatoes and other vine crops such as Peppers Cucumbers, Egg Plant, Squash, etc. Spray blossoms to insure seedless and earlier crops. Price 4 oz., 25c. Makes 1 gallon solution. Pint, $1.75.

WILT RESISTANT

T-18 Garden State. A recent introduction growing in popularity; plants are large and highly productive, fruits bright red, smooth, globular and extremely solid. This is the leading market garden variety in our section at this time. Pkt., 15c; ½ oz., 45c; oz., 85c.

T-30 Marglobe. 77 days. Second-early, red-fruited variety suitable for market or canning. Almost as early as Bonny Best, produces large, smooth, meaty, globular red fruits which ripen uniformly and are relatively free from cracks. They make a splendid canned product and first class pulp. Pkt., 10c; ½ oz., 35c; oz., 60c.

T-31 Marglobe, Certified. Pkt., 15c; ½ oz., 40c; oz., 75c.

T-39 Rutgers. 86 days. A New Jersey Experiment Station cross on Marglobe. The fruit are bright scarlet and slightly more flat than Marglobe. Highly recommended as a second early variety for canning and tomato juice. Pkt., 10c; ½ oz., 35c.

T-40 Rutgers, Certified. Pkt., 15c; ½ oz., 40c; oz., 75c.

T-39 TOMATO RUTGERS. Pkt., 10c.

T-38 Pritchard (Scarlet Topper). 76 days. The fruit is solid, yield heavy and the color a brilliant red. It is a resistant second early of great merit. Pkt., 10c; ½ oz., 40c; oz., 70c.

T-37 Pritchard, Certified. Pkt., 15c; ½ oz., 45c; oz., 80c.

T-47 Valiant. 70 days. Maturing after Earliana but before Rutgers. Valiant will yield a fine crop, averaging 7 ounces per fruit. The fruits are smooth, heavy, solid and of fine quality, with a sparse vine growth; preferable where early maturity is paramount. Pkt., 20c; ½ oz., 55c; oz., 95c

T-22 Wisconsin 55, Certified. 83 days. A new, very fine red main crop variety that matures slightly ahead of Rutgers. Pkt., 15c; ½ oz., 55c; oz., 95c.

T-8 Break O'Day. 70 days. A wilt resistant tomato that is nearly as early as Earliana and as productive as Marglobe. Its fruits are large, smooth, meaty, red and globular, very similar to Marglobe but usually larger. Used whole for salads or stuffed. Pkt., 10c; ½ oz., 40c; oz., 75c.

T-9 Break O'Day, Certified. Pkt., 15c; ½ oz., 50c; oz., 90c.

T-15 Early Baltimore, Certified. 73 days. Illinois University selection, thriving on all soils, smaller fruit, solid bright color and heavier yield. Pkt., 15c; ½ oz., 40c; oz., 75c.

BEST YELLOW VARIETY

T-27 Jubilee. 80 days. Mature fruits average more than half a pound; deep orange inside and out with solid flesh and so few seeds as to make seed production a problem. It is an excellent salad variety, with mild, non-acid flavor, but not flat, and it can be canned with success, but some will consider its juice insipid. Its vines grow vigorously and can be staked and pruned. Pkt., 20c; ½ oz., 50c; oz., 95c.

T-18 TOMATO GARDEN STATE. Pkt., 15c.

OTHER POPULAR VARIETIES

T-32 New Globe. Matures in about 82 days. This ball-shaped variety yields a heavy crop. The skin is a smooth, purplish pink. Uniform fruits. Pkt., 10c; ½ oz., 50c; oz., 95c

T-23 Improved New Stone. 86 days. Smooth skin, small core, fine-grained flesh with little acidity. Pkt., 10c; ½ oz., 30c; oz., 50c.

T-24 Improved New Stone, Certified. Pkt., 15c; ½ oz., 40c; oz., 65c.

T-14 Dwarf Stone. The Largest Dwarf Tomato. 92 days. It resembles "Dwarf Champion," but is of stronger growth and more erect, fruit bright red. Pkt., 10c; ½ oz., 50c; oz., 95c.

SMALL FRUITED TOMATOES

For Pickles and Preserves. 73 days.

T-53 Red Currant. Very small.

T-52 Red Cherry. Small fruit, bright scarlet.

TWO PEACH TOMATOES

T-54 Red. **T-57 Yellow.**

FRUIT 2-INCHES

T-59 Yellow Plum. **T-58 Yellow Pear.**

T-50 Ground Cherry, Husk or Strawberry. The small yellow fruit is enclosed in a husk. It is very sweet; prized for eating, preserving and pies.

Any of the above pkt., 10c; ½ oz., 40c; oz., 75c.

T-51 Italian Canner. 75 days. A very productive, long plum-shaped tomato. It is firm, not having any hollow parts, and the walls are exceptionally thick. Remains edible in storage two weeks after picking or frost. Pkt., 10c; ½ oz., 40c; oz., 75c.

FOR GREENHOUSE

T-45 Livingston Globe. Pink. Pkt., 25c.

T-46 Michigan State Forcing. Red. Pkt., 25c.

Tobacco Seeds

T-3 Connecticut Seed Leaf. Best adapted to northern states. Pkt., 10c; ½ oz., 40c; oz., 75c.

T-2 Burley. Pkt., 10c; ½ oz., 40c; oz., 75c.

Rhubarb

R-27 Mammoth. Vigorous and productive; stalks fifteen inches long. Pkt., 10c; oz., 35c; ¼ lb., $1.00.

R-26 Victoria. A popular red strain. Pkt., 10c; oz., 35c; ¼ lb., $1.00

Rhubarb Roots. Set in spring they will furnish leaf stalks the following year. (If wanted by mail, add zone rate postage. 1 lb. for 1 or 3 roots, 3 lbs. for 10 roots.

Chipman's Canada Red. Stems dark red clear to heart. Makes a sweet, fine flavored, beautiful red sauce. Divisions, 75c; 3 for $2.00; 10 for $6.00.

McDonald Crimson, Divisions. Bright red stalks, low acidity, thin skin, fine grain and fruit flavor. Each, 60c; 3 for $1.65; 10 for $5.00.

Victoria, 1 year, 35c; 3 for 75c; 10 for $1.50; 2 years, each, 50c; 3 for $1.00; 10 for $2.50.

Vaughan's Gladioli

Lake Geneva Collection GLADIOLI

Ten of each of the following ten representative varieties of Gladioli (100 first size Bulbs) will be sent postpaid, for $7.00

10 Elizabeth The Queen, Large Lavender
10 Purple Supreme, Deep Purple
10 Valeria Red
10 Gratitude Orange
10 Gold Dust, Yellow
10 Picardy, Apricot Pink
10 Silentium White Red Blotch
10 Ethel Cave-Cole, Light Pink
10 Blue Beauty, Light Blue
10 Snow Princess, White

Please allow us to substitute other varieties if we are sold out when your order is received.

BEST OF THE NEW INTRODUCTIONS

25 Bulbs of Any Variety
Take the 100 Rate

GL409 ASTRID (Jack) Ex. Distinctive clear medium rose with narrow throat line and slight feather. The color is well liked by florists for cut flowers. Each, 20c; doz., $2.00; 100, $15.00.

GL401 BEAUTY'S BLUSH (Fischer). Ex. Soft blush pink, opening seven recurved florets on a long flower spike. It is an exceptionally robust grower, and excellent cut flower. Each, 20c; doz., $2.00; 100, $15.00.

GL410 BIG TOP (Rich) Ex. Large medium pink with carmine throat. A strong grower with large florets. Two bulbs for 20c; doz., $1.00; 100, $7.00.

GL301 BUCKEYE BRONZE (Wilson) Ex. A very outstanding old rose and bronze with distinct orange shading. Opens 6 to 8 florets on strong spike Each 15c; doz., $1.50; 100, $10.00.

GL403 BURMA (Palmer). Very deep rose with wide open heavily ruffled blooms. After the first floret opens practically every bud will show color. An extra fine exhibition variety and a good commercial for local use. Always wins its share of blue ribbons. Two for 25c; doz., $1.25; 100, $8.00.

GL404 CHERRY JAM (Zimmer). Ex. Salmon pink with deep cherry blotch on lower petal. Opens up to eight florets on a spike of medium height. Good propagator and strong grower. Each, 15c; doz., $1.50; 100, $10.00.

GL415 CONNECTICUT YANKEE (Schenetsky) Ex. Fine light pink with rose throat. Opens 8 to 10 florets on medium tall spike. Another popular cut flower variety. Each 20c; doz., $2.00; 100, $15.00.

GL406 COVER GIRL (La Salle). Ex. Giant medium pink that opens 10 to 12 large florets at the same time and grows up to six feet tall. Two for 25c; doz., $1.25; 100, $8.00.

GL504 DIEPPE (Hassel). Ex. Dazzling salmon scarlet with deeper blotch. Florets are frilled, and seven open together on a long spike. It produces many bulblets, and is a strong grower. Each, 15c; doz., $1.50; 100, $10.00.

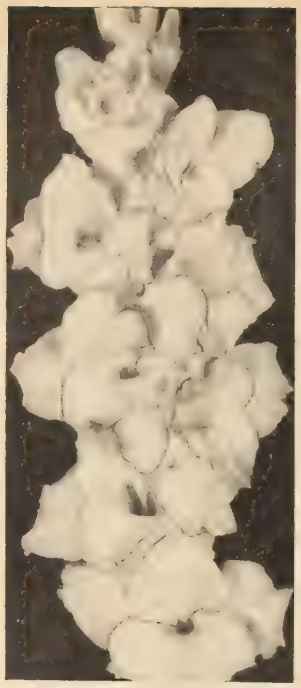
GL708 FLORENCE NIGHTINGALE (Harris) Ex. Outstanding new white from Canada. Opens 8 well placed florets on tall straight spike. Each, 25c; doz., $2.50; 100, $18.00.

GL803 GOLDEN ARROW (Pruit). Ex. Clear yellow florets without the usual green tinge, are 5½ inches across. On a spike of 18 buds, 8 will open together, and 6 show color. Grows five feet tall, straight and strong. Vigorous and healthy dark green foliage. Each, 15c; doz., $1.50; 100, $10.00.

GL804 GOLDEN STATE (Wheeler). Dec. Clear rich medium yellow with a pink feather in the throat. Opens a double row of 8 to 10 blooms on a long flower head. It is a good dependable grower and propagates well. Two for 20c; doz., $1.00; 100, $7.00.

GL303 GRATITUDE (Fischer). Ex. Its ruffled orange florets are similar in color to the variety Barcarolle, but much larger, averaging 5½ inches, and borne on a taller spike, which opens five to seven florets together. An early midseason bloomer, fine grower and propagator. Each 15c; doz., $1.50; 100, $10.00.

GL417 GEN. EISENHOWER (Salman) Ex. Large deep salmon rose from Holland. Opens 7 to 8 large florets on a tall spike. A good winner at the Holland flower shows. Each 20c; doz., $2.00; 100, $15.00.



COVER GIRL

SPIC AN SPAN

SILVER WINGS

GL412 HUNTRESS (Jack). Ex. Very early lavender pink, opening 6 to 8, 4½ inch florets perfectly placed on a stem of medium height. First quality lavender to flower. Two for 25c; doz., $1.25; 100, $8.00.

GL413 KELSEY (Yates). Ex. A ruffled sport of Picardy of much the same coloring, light salmon-pink blending to clear cream throat with no markings. Of 20 buds, seven to nine 5½ inches across will open together, and five will show color. Reaches 65 inches in field, stem willowy, placement better than its parent. Each, 15c; doz., $1.50; 100, $10.00.

GL414 LADY BOO (Graff). Ex. Pure shell pink self-color, delicate and dainty, on strong, straight stems which never come crooked. It opens well in water to the tip bud. A decorative variety of highest quality. Each, 20c; doz., $2.00; 100, $15.00.

GL105 LANCASTER (Palmer) Ex. Clear dark purple slightly ruffled. Opens about 10 florets on a tall straight spike. With proper culture gives an unequalled exhibition purple. Each, 15c; doz., $1.50; 100, $10.00.

GL809 MARIMBA. Ex. Large florets of light buff, sometimes tinged with pink with small feather in throat. Always opens 8 or more well placed blooms on long spike. One of the tallest and strongest grown. Two for 20c; doz., $1.00; 100, $7.00.

GL106 MARGARET WOOD (Marshall) Ex. Very large wine purple with light stripes and slightly deeper throat. Opens 8 large florets on tall spike. A show winner. Each, 15c; doz., $1.50; 100, $10.00.

GL424 MAXWELTON (Bierman) Ex. Large soft rose with diffused darker blotch. Popular cut flower variety. Each, 15c; doz., $1.50; 100, $10.00.

GL416 MISS WISCONSIN (Kreuger). Ex. A beautiful rose-pink that is outstanding. Opens 6 to 8 five-inch florets on a medium height plant. Each, 15c; doz., $1.50; per 100, $10.00.

GL304 ORANGE GOLD (Marshall) Ex. Clear orange self color. Opens up 6 well placed florets on a tall spike. Each, 15c; doz., $1.50; 100, $10.00.

GL807 OREGON GOLD (Majeski). A massive five-foot plant, carrying 20 to 24 buds and flowers. Florets of Picardy size and 9 to 10 open at once. A large medium yellow blending to deep yellow in throat. Good producer of bulblets which germinate. Each, 15c; doz., $1.25; 100, $8.00.

GL704 ORIENTAL PEARL (Carlson). Ex. A giant cream colored variety which some prefer to Leading Lady. Florets sometimes measure 7 inches across with 4 to 6 open at the same time. A vigorous grower, and heavy propagator. Two for 20c; doz., $1.00; per 100, $7.00.

GL426 PANDORA (B. Palmer) Ex. Soft geranium pink with slightly darker lines in throat. Opens 8 to 10 well placed florets. Two for 25c; doz., $1.20; 100, $7.50

GL418 PHANTOM BEAUTY (Bastian). Ex. Light pink florets, 5½ inches across, ruffled and open wide, perfectly placed with formal effect. Of 22 buds on the 32 inch flower spike, 12 will open together and 6 show color. Blooms in 80 days, grows five feet tall, propagates well. Each, 15c; doz., $1.50; 100, $10.00

GL204 POET'S DREAM (Fischer) Ex. Beautiful lavender with cream throat Opens 4 to 6 somewhat ruffled florets on medium height spike Two for 25c; doz., $1.20; 100, $7.50

GL108 RAVEL (K & M) Ex. One of the best new blues. Clear medium blue—with attractive purplish blotch. Good winner at the Holland shows. Each 20c; doz., $2.00; 100, $15.00.

GL706 SILVER WINGS (Ritsema). Ex. A wonderful white sport of Picardy. Opens 7 or 8 glistening white florets with most of the remaining buds showing color. Florets are 6 inches across and are very ruffled. All the buds will open to the very tip. Plants are strong and healthy and beyond a doubt it is at the head of the white class. Each, 15c; doz., $1.50; 100, $10.00.

GL427 SKYMASTER (Salman) Ex. Soft apple-blossom rose. Opens several well placed florets of heavy texture on tall strong spike. Each 30c; doz., $3.00; 100, $20.00.

GL419 SPIC AN SPAN. (Carlson). Ex. Probably largest winner in 1950 shows, with giant, deep pink ruffled florets, this variety opens 10 of its 22 buds together, with all the rest showing color. It consistently makes fine spikes from any size bulb and increases rapidly. Outstanding as a commercial and show flower. Each, 30c; doz., $3.00; 100, $20.00.

GL808 SPOTLIGHT (Palmer). Ex. Clean medium yellow with a small red throat blotch. Spotlight is one of the finest glads grown. Florets are of large size and are perfectly placed. It will open 7 and is a very good keeper. It also opens well from tight cut bud. Each, 15c; doz., $1.50; 100, $10.00.

GL805 SUNSPOT (Roberts) Ex. Outstanding apricot buff with rose throat Opens 8 to 9 florets on a tall spike. Fine propagator and consistent ribbon winner. Each, 30c; doz., $3.00; 100, $20.00.

GL428 TIVOLI (K & M) Ex. Clear soft rose. Opens 8 large florets on tall spike. Very fine for cut flowers. Also good winner at Holland shows. Each, 15c; doz., $1.50; 100, $10.00.

GL305 TROCADERO (Lins) Ex. Brilliant rich orange. An entirely new color. Opens 6 or more 5½ inch florets on a 3 foot spike. Each, 35c; doz., $3.50; 100, $25.00.

GL510 VALERIA (Pruitt). Dec. Improvement on Dr. Bennett, soft red with a narrow mark of light cream in the throat. Stands heat well; never crooks. Five to seven large ruffled flowers of good substance open at one time. Two for 25c; doz., $1.25; per 100, $8.00.

GL205 WEDGEWOOD (Fischer) Ex. Waxy ruffled new lavender with cream throat. Opens 4 to 5 medium size florets on medium tall spike. Each, 35c; doz., $3.50; 100, $25.00.

Vaughan's "Standard" Mixture: 50 Bulbs. First Size . . $2.50

We do not send out any mixtures that will not make a brilliant showing in the gardens of our customers. This one will be found satisfactory everywhere, for mixed beds, borders and masses. These are first-size bulbs. Where wanted by mail add for postage at zone rates, 100 bulbs packed, 6 lbs.

Price, doz., 75c, postpaid; by express, not prepaid. 50 for $2.50; 100 for $4.75; 250 for $11.00; 500 for $20.00; per 1,000, $35.00.

Special Gladioli Mixture No. 4 size prepaid. 6 for 25c; 50 for $1.50; 100 for $2.00.

General List

PINK AND ROSE

25 Bulbs of Any Variety Take the 100 Rate

402 BLOEMFONTEIN (Pfitzer). Ex. Color salmon with soft yellow blotch. Its large wide open flowers many of which bloom at a time, are of heavy texture and beautifully placed on a stiff stem. Two for 20c; doz., $1.00; 100, $7.00.

405 CHAMOUNY (Baerman). Ex. Rich, light rose with the faintest edging of light rose; perfectly placed florets on tall slender spike, eight or more open at same time. Two for 20c; doz., $1.00; 100, $7.00

407 EARLY ROSE (Jack). Dec. Medium rose shading to darker blotch. Great favorite with florists. Two for 20c; doz., 75c; 100, $4.00.

408 ETHEL CAVE-COLE (Cave). Ex. Pure light pink sometimes flaked. Very strong, husky grower. Makes a spike of 9–10 large, well placed blooms on a head of 20–24 buds. Fine for exhibition, cut flowers or for the home garden. Two for 20c; doz., 75c; 100, $4.00

411 JEANIE (Pruitt). Ex. Clear rich pink with white midribs and creamy yellow throat. Two for 20c; doz., $1.00; 100, $5.00

420 PICARDY (Palmer). Ex. A most sensational flower of delicate apricot-pink. The individual florets are all extremely large, slightly ruffled and of heavy wax-like substance. Two for 25c; doz., $1.00; 100, $6.00

421 ROSA VAN LIMA (Pfitzer). Dec. Pure self-colored light pink. Many flowers open at one time. Two for 20c; doz., $1.00; 100, $5.00.

422 PINK RADIANCE (Quackenbush). Ex. Pure light pink with silvery sheen, with touch of carmine deep in the throat. Excellent placement. Two for 25c; doz., $1.25; 100, $8.00

423 ROSE O'DAY (Fischer). Ex. An unusual shade of lavender rose, opening up to 10 6-inch florets on a strong, straight stem. Two for 25c; doz., $1.25; 100, $8.00

GL425 PINK AND ROSE MIXED

Made up by ourselves from varieties listed and others. Doz., $1.00; 100, $5.00.

RED

501 ALGONQUIN (Palmer). Dec. Early, brilliant glowing scarlet, 8–10 wide open ruffled needle-point blooms open on a tall straight spike. Many people consider this the best scarlet on the market. Two for 20c; doz., $1.00; 100, $7.00

502 BEACON (Palmer). Ex. Salmon-scarlet with creamy throat. Tall spike, eight florets open at once. Two for 20c; doz., 75c; 100, $5.00

503 BLACK OPAL. Ex. Deep maroon, somewhat marbled. Makes tall, exhibition spikes, 10 open, 12 buds. Two for 25c; doz., $1.25; 100, $8.00.

505 DR. F. E. BENNETT (Diener). Ex. Scarlet throat stippled with ruby and white. Big, vigorous, a ribbon winner. Two for 20c; doz., $1.00; 100, $6.00

507 HAWKEYE RED (Heaton). Named for the grand old state of Iowa. A real commercial medium red. A sport of Vagabond Prince, identical save for color. It may be even a bit larger and wider open. Tremendous propagator and easy grower. Two for 25c; doz., $1.25; 100, $8.00

508 RED CHARM (Butt). Ex. One of the finest medium reds, opening 8 to 9 large well placed florets on tall straight stem. Thrives in hot weather. Two for 25c; doz., $1.25; 100, $8.00.

509 STOPLIGHT (Lins). Dec. A brilliant red that because of its consistent performance and excellent heat resistance looks to have a brilliant future in any climate. The lightly ruffled blooms are flat and wide open and well placed. Two for 25c; doz., $1.00; 100, $6.00

GL525 RED MIXED

Made up by ourselves from varieties listed and others. Doz., $1.00; 100, $7.00.

ORANGE

301 BARCAROLLE (Palmer) Light orange salmon. Each 15c; doz., $1.50; 100, $10.00

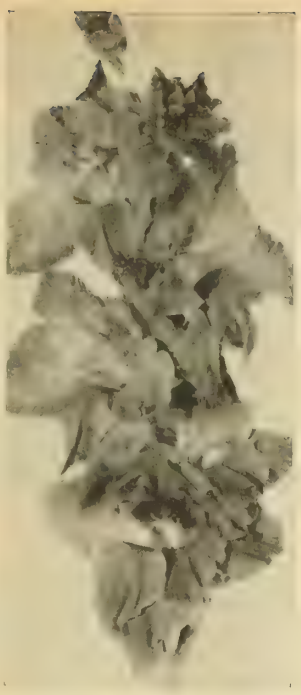
302 DEARBORN (Vaughan). Dec. Immense florets of deep flesh color, light coral reflex, lip amber yellow, blending to flesh, marked with a feathering of deep crimson. Tall, straight spike with twenty or more florets, four to six open at a time, measuring five to six in. in diameter. Each, 15c; doz., $1.25; 100, $8.00

GL325 ORANGE MIXED

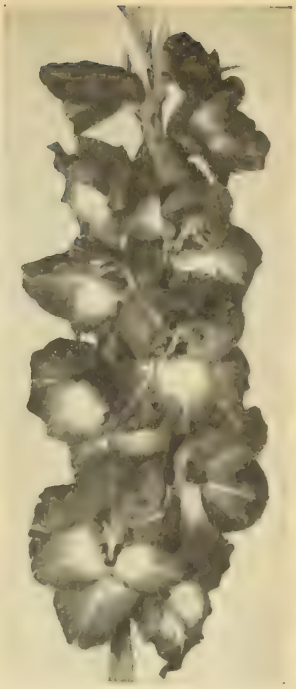
Made up by ourselves from varieties listed and others. Doz., $1.25; 100, $8.00

BULBS SHIPPED SEPARATELY FROM SEED

Because of weather conditions during January, February and early March, we prefer to send out bulbs after March 20th, except to customers in the south or California, to whom we ship at once, packed against freezing. Customers should open the package upon arrival, and if bulbs cannot be planted at once they should be placed in a dry and frostproof cellar until ready to plant.



KING LEAR



BEACON

CORONA

BLUE AND PURPLE

GL101 ABU HASSAN (Pfitzer). Dec. A beautiful clear dark blue medium size bloom on a tall straight spike. Excels Pelegrina both in color and growth. Each, 15c; doz., $1.50; 100, $10.00

GL102 BLUE BEAUTY (Pfitzer). Ex. Light blue, shading darker toward the edge. Large wide open flowers. Strong grower. Two for 25c; doz., $1.00; 100, $6.00.

GL103 CONVOY (Palmer). Ex. Clear rose purple, slightly deeper in throat. Florets are large, of good texture and well placed on tall spikes. One of the finest purples. Two for 25c; doz., $1.25; 100, $8.00

GL104 KING LEAR (Palmer). Ex. Very early. Clear deep purple with silver line on edge of all petals. Very large heavily waved and ruffled. 5–6 open. Two for 20c; doz., $1.00; 100, $6.00.

GL204 PAUL RUBENS (Salman). Ex. Dark reddish violet, of the color so popular with women. It opens several large florets together on a tall, strong spike. Each, 15c; doz., $1.50; 100, $10.00

GL107 PURPLE SUPREME (Wilson). Ex. Tall plant with many well placed bright purple flowers. Fine exhibition variety. Two for 25c; doz., $1.00; 100, $7.00.

GL125 BLUE AND PURPLE MIXED

Made up by ourselves from varieties listed and others. Doz., $1.25; 100, $8.00.

LAVENDER

GL201 BADGER BEAUTY (Krueger). Dec. A beautiful lavender of average height with a creamy white throat. The flower heads are about 20 inches in length and carry 17 buds, of which 5 open in the field. It does not fleck or grow crooked. Two for 20c; doz., $1.00; 100, $7.00

GL202 ELIZABETH THE QUEEN (White). Ex. Clean mauve with darker lines on throat; beautifully ruffled. Very fine lavender of distinction. Two for 25c; doz., $1.25; 100, $8.00

GL203 MINUET (Coleman). Ex. Large light lavender. We recommend it. Two for 20c; doz., $1.00; 100, $7.00.

GL225 LAVENDER MIXED

Made up by ourselves from varieties listed and others. Doz., $1.00; 100, $7.00.

YELLOW

GL801 GELBER HERALD (YELLOW HERALD) (Pfitzer). Dec. Color amber yellow, carmine in the throat, an improved Gate of Heaven. The large wide open flowers are well placed and spaced on a strong stem. Each, 15c; doz., $1.50, 100, $10.00

GL802 GOLD DUST (Pfitzer). Dec. New deep yellow. Two for 20c; doz., $1.00; 100, $5.50

GL806 MOTHER KADEL (Kadel). Dec. Clear medium yellow with no markings. Well placed blooms. Tall spike. One of the best of the newer yellows. Two for 25c; doz., $1.00, 100, $7.00

GL810 YELLOW EMPEROR (Ellis). Dec. Clear deep yellow. Two for 20c; doz., $1.25; 100, $8.00.

GL825 YELLOW MIXED

Made up by ourselves from varieties listed and others. Doz., $1.00; 100, $7.00.

WHITE

GL701 CORONA (Palmer). Dec. Creamy white shading more creamy toward the throat with wide rose picotee edge on all petals. Very distinctive and beautiful. 6–8 very large wide open blooms on a head of about 18 buds. Tall, strong grower and a fine propagator. Ea., 15c; doz., $1.25; 100, $8.00.

GL702 LEADING LADY (Johnston). Ex. A white sport of Picardy. Just like picardy except that it is a beautiful cream white with canary yellow throat. Two for 25c; doz., $1.10; 100, $7.50.

GL703 MARGARET BEATON (Twomey). Ex. New immense white with orange-scarlet blotch. Two for 20c; doz., 75c; 100, $4.00

GL705 SILENTIUM (Pfitzer). Dec. A striking white, blending to a cream center containing a small carmine marking. Slender stems, excellent placement with regularity, grand cut flower habits, fine blooms from the smaller size bulbs and 7 good propagator. Two for 20c; doz., $1.00; 100, $5.00

GL707 SNOW PRINCESS (Pfitzer). Ex. A very fine new white of good size and form. Tall, with long flower spike and many open blooms that are always perfectly placed. Stems never crook. Snow Princess is one of the very best whites. Mid-season. Two for 20c; doz., 75c; 100, $4.00

GL710 WHITE GOLD (Scheer). Ex. Clear light cream shading to golden throat. 4–6 very large well placed blooms open at one time. Two for 20c; doz., $1.00; 100, $6.00

GL725 WHITE MIXED

Made up by ourselves from varieties listed and others. Doz., 75c; 100, $5.00.

D. D. T. DUST

On the basis of tests made last summer we recommend the marvelous new insecticide D.D.T., for gladiolus thrips. A residue of this material clings to the plant after spraying or dusting and kills insects which touch it. It excels in lasting effect and completeness of kill. For suitable forms of D.D.T. See page 81

D. D. T. 5% DUST. A ready-mixed garden dust; safe on all plants. 1 lb., 35c, postpaid, 45c; 5 lbs., $1.25, postpaid, $1.50

TARTAR EMETIC. For those who prefer to use Tartar Emetic the U. S. Department of Agriculture recommends, after plants have reached 6 inches in height, weekly spraying with the following formula: ¼ lb. Tartar Emetic, 1 lb. brown sugar, 6 gallons of water.

We will ship Tartar Emetic, postpaid for ¼ lb., 35c; ½ lb., 60c; 1 lb., $1.00.

Hardy Lilies for Spring Planting

NO ORDERS ACCEPTED AFTER APRIL 10th, 1951

HARDY lily bulbs, of 1950 crop, carried over the winter in cold storage, may be planted in the spring, and will blossom in mid-summer, when the garden needs their glory.

They are especially suitable for planting in borders, and enjoy a position where they are protected by the shade of surrounding plants. Light, well-drained soil is recommended. Bulbs should be planted 6 to 8 inches deep.

Many varieties develop roots on the stem up to two or three inches from the ground. These roots are voracious feeders, and on them depend greatly the number and size of flowers. When they appear, the plant should receive a top dressing of good rich soil on which they can feed freely.

Auratum Platyphyllum. (Improved Auratum —Superior to Auratum in larger flowers, profuse blooming, and glossy foliage. 8-9 inch. Each, 55c; doz., $5.50; 100, $40.00. 9-11 inch. Each, 75c; doz., $7.50; 100, $55.00

Auratum. The Gold-Banded Lily grows four to seven feet tall, blooming in July and August. 8-9 inch Each, 45c; doz., $4.50; 100, $35.00. 9-11 inch. Each, 55c; doz., $5.50; 100, $40.00

Lilium Hansoni. The flowers are a deep orange-yellow shade, spotted brown. Three to four feet high, blooming during the latter part of June. Plant in semi-shade. Each, 50c; doz., $5.00; 100, $35.00

Lilium Henryi. A beautiful lily from China growing four feet to eight feet, and carrying as many as twenty bright orange-yellow, slightly spotted reddish brown flowers in August. Each, 55c; doz., $5.50

Lilium Regale. The large, trumpet-shaped flowers are white, with yellow center, while the exterior of the petals is pink. It is a strong grower, three or four feet, of delightful fragrance.

First Size, 6–7 in. in circumference. Each, 20c; doz., $1.75; 100, $13.00.

Select Size, 7–8 in. in circumference. Each, 30c; doz., $3.00; 100, $20.00.

Lilium Speciosum Rubrum. Flowers are white, flushed pink, heavily spotted with carmine. The stem is four feet high and the flowers face downward and roll back their petals. August and early September bloomer. Plant eight to ten inches deep. First Size, 8-9 inch. Each, 40c; doz., $4.00; 100, $32.50. 9-11 inch. Each, 55c; doz., $5.50; 100, $40.00.

Lilium Phillipinense Formosanum. A graceful lily with long trumpet flowers, slightly marked externally with reddish-brown. Plants grow two to three feet, robust and fragrant. Each, 45c; doz., $4.50; 100, $30.00.

LILY OF THE VALLEY

Large Clumps. For outdoor planting, clumps are best. Plant clumps in a shady, moist place. Each, 60c, 3 for $1.50; doz., $5.50, prepaid

LILIUM CANDIDUM
Shipped Aug.-Sept.

Legend is rich in praises and reference to the Madonna Lily. It is one of the oldest, loveliest, and best known lilies. A favorite of our grandmothers' gardens, its beauty and fragrance bring back days long past. The flowers, of which there are three to twenty on each stem, depending upon the size of bulb planted, are snow-white, with heavy yellow stamens, and of the most delightful fragrance. It is hardy and will thrive in any ordinary soil, preferring plenty of light and air. Blooms in the open ground about June 20th

18-20 CENTIMETERS (7-8 inch circumference) Each 30c; dozen, $3.00. 100, $20.00.

20-22 CENTIMETERS (8-9 inch circumference) Each, 35c; dozen, $3.50; 100, $25.00.

22-24 CENTIMETERS (9-9½ inch circumference). Each, 50c; dozen, $5.00; 100, $35.00.

24-26 CENTIMETERS (9½-10½ inch circumference). Each, 65c; dozen, $6.50; 100, $50.00.

26 CENTIMETERS and over (10½-12 inch circumference). Each, 75c; dozen, $7.50; 100, $55.00.

28 CENTIMETERS and up (12-inch circumference and up). Each, 90c; dozen, $9.00; 100, $70.00.

Iris for Every Garden. By Sidney B. Mitchell. The only complete, up-to-date book on iris with all basic information for amateurs and specialists. Covers all species and varieties; helps you select irises for 3 to 12 months' bloom; discusses the familiar bearded, Japanese, Siberian, Louisiana types, and many rare and fascinating species. 12 pages of how-to drawings and plans, 25 species and varieties in full color. **$3.00.**

LILIUM AURATUM

LILIUM RUBRUM

LILIUM Regale

LILIUM HENRYI

LILIUM HANSONI

LILIUM PHILLIPINENSE FORMOSANUM

Summer Flowering Bulbs

RESURRECTION LILY
Shipped in July
(Lycoris Squamigera) For Outdoor Planting

Amaryllis Hallii. Produces in early spring attractive green foliage which grows until May, when it ripens off and disappears, and one not familiar with its habits would think the bulb had died, but about a month later, as if by magic, the flower stalks spring from the ground to a height of two or three feet, developing an umbel of large and beautiful lily-shaped flowers three to four inches across and from eight to twelve in number, of a delicate lilac-pink shaded with clear blue.

Culture—The bulb is perfectly hardy without any protection. The proper time to plant is in the summer when the bulb is dormant. Cover the crown about four inches. Each, 90c; doz., $9.00.

LYCORIS
Shipped in June

Radiata. A coral red Spider Lily. Bulbs planted 5 inches deep July 15th, bloomed September 4th. This is not hardy, but has been known to survive freezing in pots. It sends up foliage in March. After the foliage dies down the bulb is dormant and sends its blossoms up in August or September. Lily-shaped flowers of orange-red. Each, 25c; doz., $2.50; 100, $18.00.

STERNBERGIA
Shipped in August

Lutea. These bulbs planted about 4 inches deep July 15th bloomed from August 7th to September 7th. The flower is yellow and looks very much like a Crocus. They have a thin Hyacinth-like foliage. Hardy with some protection. Each, 30c; doz., $3.00; 100, $20.00.

Berwyn, Ill.

"I thought maybe you would like to know about my ribbons for entering in the town garden fair. I received a special award on your Speciosum Rubrum Lilly; also a blue ribbon on the Oxford Blue Scabiosa."

Sincerely,
Mrs. T.

AMARYLLIS

AMARYLLIS

Largest of flowers which are easily forced indoors our new hybrids are gorgeous in size and coloring.

Vaughan's New Hybrids. Mixed. Flowers are immense, in an amazing range of color blends splashed and striped in a manner not seen in other strains. 2¼-2½ in. dia., each, 40c; doz., $4.00 100, $27.00; 2½-2¾ inch dia., each, 50c; doz. $5.00; 100, $35.00; 2¾-3 inch dia., each, 75c doz., $7.50; 100, $55.00.

Eveleth, Minn

"For months I've wanted to tell you about the beautiful Amaryllis Bulb I bought from you and grew it in our 5th grade classroom. It had five gorgeous by measure 4 in. by 6 in. blooms.

Sincerely,
Miss R.

ACHIMENES

This is closely related to the gloxinia. Plant 6 to bulbs in a 5-inch pot, or 9 to 10 in a 6-inch pot. The l used for potting should be rich in humus and of open, porous nature, allowing perfect drainage. good mixture to use is equal parts of loam, leaf mold d sand. About one-third of the depth of the pots or ns should be occupied with drainage. After the ung growth appears, great care should be taken to ep the soil moist, for a single severe drying will ruin e plant. Blooming time 8 to 10 weeks after planting xed colors 3 for 60c; doz., $2.00; 100, $15.00.

TUBEROUS BEGONIAS

berous Rooted. Unexcelled for summer bedding. When fully exposed to the sun the beds must be kept moist. Do best in partial shaded spots. All prepaid.

California Grown Double Camellia Flowered

	Each	Doz.	100
¾–1½ inch	$0.20	$2.00	$15.00
2 inch	.30	3.00	22.50
nch	.45	4.50	32.00

oydii or Pendula. Used in hanging baskets. It is an unsurpassed strain containing double flowers only. Excellent for Rock Garden Work. Each, 30c; doz., $3.00; per 100, $22.00.

ultiflora Hybrids Mixed. In a shady place where they can be well watered these compact plants will bear double flowers of gorgeous coloring, measuring 2 to 3 inches across. They will blossom until killing frost. Three for 75c; doz., $2.75; per 100, $20.00.

GLOXINIAS

These showy plants are easily grown in pots and ansplanted to a garden bed, preferably in a semi-aded place.

lixed Colors. Each, 40c; 3 for $1.10; doz., $4.00.

HYACINTHUS CANDICANS
(Galtonias) Summer

lyacinth. Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high. First size, each, 15c; doz., $1.50, prepaid; selected size, each, 25c; doz., $2.50, prepaid.

ISMENE CALATHINA

eruvian Daffodil. Flowers are pure white, borne three or four on a stem and are very fragrant. Not hardy. Price, each, 35c; doz., $3.50, prepaid.

MONTBRETIAS

Montbretias are easily grown and their graceful ower-stems add much to any garden. They are ghly valued for cut flowers. Our mixture contains ellow, salmon, orange and scarlet.

They do best in a light, loamy soil enriched with af mould and a little lime, no manure. Where the ound freezes deeply in the winter, they can be eated as gladioli. But in localities where the ground oes not freeze deeply, the usual winter protection ay be given, and they will multiply. **Special Mixed.** rice, 3 for 40c; doz., $1.50; 100, $10.00; prepaid.

arlham Large Flowered Hybrids. They are a completely new race, being generally much taller and more robust in growth, and having flowers of great size and beauty, some measuring 3 to 4 inches. **Mixed.** 3 for 55c; doz., $2.00; 100, $15.00; prepaid.

TIGRIDIA
(Shell-Flower of Mexico)

Few flowers are more gorgeously colored or so eautiful. Plant in sunny positions in a flower border well-drained soil. Put a little sand under the ulb. Can also be used in beds. They bloom from ily until frost. Height, 3 ft.

ed, each, 20c; doz., $1.75; 100, $12.00.
ine-Red, each, 25c; doz., $2.50; 100, $15.00.
eep-Rose, each, 25c; doz., $2.50; 100, $15.00.
ellow, each, 30c; doz., $3.00; 100, $18.00.
ixed. Price, 3 for 55c; doz., $1.75; 100, $12.00; prepaid.

TUBEROSES DOUBLE
(Polianthes Tuberosa)

xcelsior Dwarf Pearl Double. Easily recognized by its exquisite fragrance and beautiful flower-spikes, which are borne on long stems, making it an admirable cut flower. If started in pots, and at the end of May moved to open ground, can be flowered much earlier. **First Size**—Each, 20c; doz., $2.00; 25 for $3.75; prepaid. **Second Size**—Price, doz., $1.50; 25 for $2.85; prepaid. **Mexican (Single)**—They have tall, stiff stems, flowers pure white, single; true tuberose fragrance. Price, doz. $1.50; 25 for $2.85; prepaid.

ACHIMENES

DOUBLE BEGONIA

HYACINTHUS CANDICANS

GLOXINIAS

ISMENE CALATHINA

TUBEROSES

MONTBRETIAS

TIGRIDIA

ZEPHYRANTHUS

FAIRY LILY
Zephyranthus, Zephyr Lily

One of the prettiest and most easily grown bulbs. Plant in open ground like gladiolus bulbs

Candida. Pure white and the most profuse bloomer of all. Doz., 80c; 25 for $1.50; 100, $5.00; prepaid.

Rosea. Beautiful clear rose; flowers large and very handsome. 3 for 40c; doz., $1.50; 100, $10.00 prepaid.

CALLA LILIES

Calla Elliottiana. Flower rich golden yellow; foliage dark green with creamy spots. Makes a good pot plant for indoor culture. Does well outside even in full shade. Besides blooms it will act as a foliage plant all summer. Each, 35c; doz., $3.50; 100, $25.00.

Richardia Maculata. Spotted leaf, white flower. Can be planted out of doors after danger of frost is over. Take up in fall before freezing. Each, 35c; doz., $3.50; 100, $25.00.

Rehmannii Superba. The rare Pink Calla Lily. Rather dwarfer and smaller flowered than the White Calla, but of alluring coloring, palest blush to pure rose. 1½ to 2 inch. Each, 35c; doz., $3.50; per 100, $25.00.

CALLA LILY

New and Standard—Large Flowering Dahlias

Three Giant Dahlias . . . $1

When labels become detached from our named varieties, the Roots cannot be used to fill regular orders. We offer such Roots at this special price, insuring the purchaser of an outstanding value. Identification is usually easy when the flowers bloom.

IN THE following we offer what we consider the best of the Foreign and American Dahlias. We will supply **Roots** of proper planting size on all varieties listed.

KEY TO ABBREVIATIONS: **F.D., Formal Decorative; I. D., Informal Decorative; S. C., Semi-Cactus; Str. C., Straight Cactus; I. C., Incurved Cactus.**

ALL AMERICAN. (S.C.) Large, mulberry rose suffused salmon. Strong grower and good stems. Each $1.00.

ANN TOOKER. (I.D.) Large pure white with long wavy petals, vigorous bushes. Each $2.50

AVALON. (F.D.) Clear yellow. Fine form. Each 50c.

BALLERINA. (Str.C.) Light salmon orange shaded peach-red. Good stems and vigorous growth. Each $1.00.

BLUE JERSEY. (F.D.) Tyrian pink to light mallow purple. A sport of the famous Jersey Beauty. Each 75c.

CALIFORNIA IDOL. (I.D.) A clear yellow. Deep flowers of fine form, with high, full centers. Each 75c

CHAS. L. MASTICK. (F.D.) Large blooms of bronze to orange. A fine keeper when cut. Each 75c

CHEROKEE BRAVE. (I.D.) Large, rich oxblood red. Does not burn or fade. Fine growth and stem. Each 85c.

CLARA CARDER. (F.D.) Flowers a clear cyclamen pink with straight stiff stems. Each 50c.

COMMANDO. (F.D.) A blue lavender. Heavy bush with strong stems and large flowers. Each 50c.

CORNELL. (I.D.) A beautiful bi-color. Maroon with white tips. Good grower with fine stem. Each 85c.

DARCY SAINSBURY. (F.D.) Pure white of fine shaped blooms facing erect on strong stems. Each 75c.

DEUIL DU ROI ALBERT. (F.D.) Purple and white bi-color. Good grower with long stems. Each $1.00.

DIXIE WINE DOT. (I.D.) A large pleasing white speckled and penciled wine red. Strong grower with large blooms. Each $1.50.

EMMA WALKER. (S.C.) Lush honey yellow blooms with twisted petals. Full massive bush. Each $1.50.

EVENTIDE. (I.D.) A deep violet-purple, fairly large and of distinctive beauty. A free early bloomer. Each $1.25.

FIVE STAR GENERAL. (F.D.) Pink and yellow blend. One of the largest decorative. Good grower with long strong stems. Each $2.00.

FLORIST BEAUTY. (F.D.) Amaranth purple. Fine white tips, pointed petals. Medium sized blooms held on long perfect stem. All flowers facing. Each $1.00.

FREIDA GAYLORD. (I.D.) A giant rosy-pink lightly shaded gold. Much admired and fine for exhibition. It is a good producer from midseason on. Strong bushes and stems. Each $2.00.

GALA CALIFORNIA. (C) Scarlet orange. Massive bush with blooms held well above foliage. Each $1.00.

GALLANT FOX. (F.D.) A brilliant red. Each 50c.

GEN'L. J. J. PERSHING. (S.C.) Pleasing color of coral and jasper red with chrome flush. Large bloom carried on strong stems well above foliage. Each $1.50.

GOLDEN ECLIPSE. (F.D.) Golden yellow with fine formed flowers. Strong grower and strong stems. Each 50c.

JANE COWL. (I.D.) Bronze apricot and gold. One of the most reliable of dahlias. Each 50c

JANE LAUSCHE. (S.C.) Large, rosy mauve tipped white. A most beautiful color combination. Strong grower. An early and free bloomer. Each $2.00

JEAN KERR. (F.D.) A fine white with perfect form. A good producer. Each 50c

JERSEY'S BEAUTY. (F.D.) Standard pink with long stems. Each 50c

JERSEY'S DAINTY. (STR.C.) One of the best white cactus. Each 50c

KENTUCKY SPORTSMAN. (I.D.) Lemon yellow at the center, outer petals golden amber tipped white. Flower medium size of good exhibition quality. Each $1.00

KIRSTEN FLAGSTAD. (I.D.) Gold suffused apricot. Fine blooms of giant size. Strong grower with good stems. Each $1.50

GEN. JOHN J. PERSHING

LAVENDER BLUE. (I.D.) Bluish lavender. Large blooms on strong stems. Each $2.50.

LOIS WALCHER. (F.D.) Medium, dark true purple with white tips. Each $1.00.

MAFFIE. (S.C.) Bright glowing red. Stems strong and long. Tall vigorous growth. Each $1.00.

MARSHALL'S PINK. (F.D.) Bright pink on long stems. Each 50c.

MARY TAYLOR. (C.) Taffy yellow suffused phlox-pink. Open growth with ideal stems for cutting. Each $1.50.

MAYFAIR. (I.D.) Deep red shaggy blooms on excellent stems and bush. Each $1.00.

MICHIGAN WHITE. (S.C.) Medium, well formed pure white on long strong stems. Each 50c.

MISS SAN DIEGO. (STR.C.) Medium. A pleasing color combination of Tyrian pink, shading lighter into sulphur yellow at base of the petals. Each $1.25.

MONARCH OF THE EAST. (F.D.) Large, golden-bronze with coral red reverse. Each 75c.

MRS. E. J. (STR.C.) Clear brilliant pink with white centers and very lightly tipped white. Exceptionally good substance with long stems. Each $1.00.

MRS. GEO. LE BOUTILLIER. (I.D.) A rich velvety red. Each 50c.

MRS. HESTER PAPE. (I.D.) Reddish purple. A giant bloomer and always a winner in the big bloom class. Fine grower with good stems. Each $2.00.

MONEY SAVING COMBINATION OFFERS

No change in varieties can be made at these prices.

OFFER A. One tuber each Ann Tooker, Five Star General, Freida Gaylord, Lavender Blue and Mrs. Hester Pape
Value $11.00 for $7.00 Postpaid.

OFFER B. One tuber each Ballerina, Emma Walker, Gala California, Mary Taylor, Miss San Diego and Mustang
Value $7.50 for $5.00 Postpaid.

OFFER C. One tuber each All American, Gen'l J. J. Pershing, Jane Lausche, Maffie, Michigan White, Ruby King, Virginia Rute and Yellow De Luxe
Value $8.35 for $5.80 Postpaid

OFFER D. One tuber each Cherokee Brave, Commando, Golden Eclipse, Cornell, Mrs. Geo. Le Boutillier, Mrs. James Albin, Rose Glory and White Wonder
Value $4.70 for $3.15 Postpaid.

OFFER E. One tuber each Avalon, Clara Carder, Gallant Fox, Jane Cowl, Jersey's Beauty, Watchung Giant, White King and Mrs. I. de Ver Warner.
Value $4.00 for $2.85 Postpaid

MRS. I. DE VER WARNER. (F.D.) Bright lilac rose. Each 50c.

MRS. JAMES ALBIN. (F.D.) Very fine deep yellow. Each 50c.

MID-WEST CHAMPION. (I.D.) Brilliant violet-rose with white. Fine grower with strong stems. Each 75c.

MUSTANG. (C.) Giant Australian Cactus. True pink of unusual vigor and size. Very outstanding show type responding beautifully to care. Each $1.25.

NEW YORK MARKET. (F.D.) White shaded lavender. Each 50c.

OGDEN REID. (I.D.) Very large spinal pink blended with lighter rose-pink. The plant is a vigorous grower and perfect in every respect. Each $1.25

PINK GIANT. (I.D.) Large flowers of clear pink. Each 85c.

ROBIN HOOD. (F.D.) Very bright orange and red blend. Medium bush with good foliage and stems. Each $1.00.

ROSE GLORY. (F.D.) Deep rose-pink. Free and early bloomer, strong bush. Each 50c.

ROYAL PENNANT. (F.D.) Rich royal purple. This is an excellent all round dahlia. A rare color in dahlias. Each 85c.

RUBY KING. (S.C.) Deep ruby red. Does not fade or burn. Each 85c.

SARRETT'S PINK FLAMINGO. (I.C.) Large beautiful formed flowers of clear rose-pink. An outstanding dahlia of recent introduction. Produces flowers up to eleven inches in diameter. Each $1.50.

SHERWOOD PEACH. (I.D.) Orange apricot of immense size. Robust grower with good stems. Each $1.00

SON OF SATAN. (I.C.) Very bright scarlet on excellent stems. A sensation in any garden and a winner in any show. Each $1.00.

ST. THERESE. (STR.C.) Pink to white. An outstanding cut type and among the very finest to come from Holland. Each $1.00.

TAIYO. (I.C.) A striking bicolor cactus of deepest oxblood red to black with white. Blooms are irregular in markings. Each $1.50.

THE REAL GLORY. (F.D.) A pure waxy white of good size and form. Notable for its substance and good keeping qualities. Each $1.00

VIRGINIA RUTE. (S.C.) Large deep velvety maroon red. Plants are tall, with blooms held high above foliage on excellent stems. Each $1.00

WATCHUNG GIANT. (I.D.) Yellow suffused orange. Good grower and profuse bloomer. Each 50c.

WHITE KING. (F.D.) A leading pure white. Each 50c

WHITE WONDER. (I.D.) A pure white. Well formed blooms with pointed petals. Each 50c.

YELLOW DE LUXE. (I.D.) Rich buttercup yellow. Good grower and fine stems. Each 50c.

HLIAS—Continued.

MINIATURE DAHLIAS

HOP OF LLANDORF. Bright scarlet with garnet center. Foliage reddish bronze. Each 40c.
NNIE BLUE. Bluish purple. Each 40c.
BILANT. Bright Orange. Each 50c.
TLE FIREBALL. Fiery red. Each 50c.
LIE BELLE. Appleblossom pink. Each 45c.
HITE FAWN. Pure white. Each 40c.
FER F. One each of the above (6) varieties. Postpaid, $2.30

POMPON DAHLIAS

ITH MUELLER. Golden-orange and salmon red. Each 30c
E FETTE. Leading pure white. Each 30c.
HNNY PEPPINS. Fine dark red. Each 30c
TLE HERMAN. A fine red and white. Each 30c.
ARY MUNNS. Lavender. One of the best. Each 30c.
ORNING MIST. White with lavender suffusion. Each 30c.
ERRY. Beautiful petunia purple. Each 30c.
LLOW GEM. Leading golden yellow. Each 30c
FER G. One each of the above (8) varieties. Postpaid, $2.00

COLLECTIONS OF

Oxygenating & Ornamental Aquatic Plants

1. Collection for small Aquariums, $1.50.

Italian Vallisneria, Sagattaria Natans, Elodia, Corkscrew Vallisneria, Anacharis, Water Sprite.

2. Collection for medium sized, $2.50.

Italian Vallisneria, Sagattaria Natans, Elodia, Sagattaria Subulatta, Cabomba, Corkscrew Vallisneria, Anacharis, Water Sprite, Lysmachia, Amazon Sword Plants.

3. Collection for Outside Pools, $3.50.

Italian Vallisneria, Sagattaria Natans, Elodia, Sagattaria Subulatta, Cabomba, Water Poppy, Water Hyacinths, Corkscrew Vallisneria, Anacharis, Water Sprite, Lysmachia, Amazon Sword Plants, Water Ferns, Duckweed

Orders for the above three collections filled only as specified. No split orders accepted.

Cannas for Gay Summer Beds

Cannas are becoming more popular. The new varieties with large flowers in new colors are unequalled for creating a colorful show from July till frost. They do best in full sun and respond quickly to feeding.

Number of Cannas required for round beds planted eighteen inches apart each way: Seven feet—19 plants, one for center; six for first row, twelve for second row. Ten feet—37 plants, one for center; six for first row, twelve for second row, eighteen for third row.

City of Portland. 3½ ft. Compact, luxuriant, dwarf, growth. Leaves green. Flowers rosy pink.

Hungaria. 3½ ft. Best pink Canna. Leaves bluish green, never burn. Flowers large, with big petals

King Humbert. 4 ft. Scarlet flowers, bronze leaves. This remarkable "Gold Medal" Canna has been the sensation of the past fifteen years

The President. 4 ft. A rich glowing scarlet on strong stalks; green foliage

Yellow King Humbert. 4 ft. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red.

PRICES OF ABOVE
DORMANT 1-3 EYE ROOTS. Available March 1 to April 15; 3 for 75c; $2.00 per doz., $14.00 per 100.

CHOICE CANNAS

Dorothy S. 4 ft. A beautiful salmon red. Green foliage. Produces large flowers on very vigorous plants.

Eureka. 4 ft. Free-flowering variety with striking white flowers which first appear cream. Green foliage.

PRICES OF ABOVE
DORMANT 1-3 EYE ROOTS, Available March 1 to April 15; 3 for 90c; $2.50 per doz., $17.00 per 100.

CANNA DOROTHY S.

Tropical and Hardy Water Lilies

THREE TROPICAL Water Lilies $4.95

(Catalogue Value $7.50)

One each Blue Beauty (Sky Blue); Missouri (White night bloomer); Rubra Rosea (Carmine rose).

TWO HARDY Water Lilies $3.00

(Catalog Value $4.50)

One each of Gloriosa (Carmine rose) and Chromatella (Canary yellow).

Two unusual and beautiful varieties seldom offered in collections.

TROPICAL WATER LILIES

Set out after June 1st in vicinity of Chicago. By August 1st will be in full bloom. Must have warm water and full exposure to sun. All are day bloomers, except Missouri, Juno and Hitchcock.

August Koch. Medium sized lovely lavender flowers. Free flowering. $2.50.

Frances Griffith. Outstanding royal purple. Best of its color. $2.75.

Mrs. W. R. James. A finer pink than Pershing. Huge flowers. $2.50

Blue Beauty. Huge sky-blue. Most vigorous. $2.50.

Mrs. George Pring. Star-shaped white flowers, free-blooming. $2.50.

Missouri. Huge white flowers open at night. $2.75.

Juno. Huge white night bloomer. Very free and fragrant. We urge those who are not at home during the day to try night bloomers for greater enjoyment of the water garden. $2.75

Mrs. George C. Hitchcock. A pure rose pink night bloomer. Free blooming and of unusual size $2.75

Pink Pearl. Brightest pink of lovely form. $2.50.

Rubra Rosea. Brilliant rosy carmine. $2.25.

POPULAR AQUATIC PLANTS

*Anacharis	3 for 85c.
*Cabomba	3 for 85c.
Corkscrew Vallisneria	Dozen, 75c.
Floating Elodia	Each, 75c.
Italian Vallisneria	Dozen, 75c.
*Water Fern	3 for 85c.
*Water Hyacinths	3 for 85c.
*Water Poppy	3 for 85c.

*MINIMUM ORDER THREE

HARDY WATER LILIES

This group requires less heat and will bloom earlier in spring. Can be carried over winter by the amateur with some protection. While flowers are smaller, they are borne over a longer season than the Tropicals. Most satisfactory for the average gardener.

Attraction. Garnet red with ruby shading. Finest red. $3.00

Chromatella. Pure canary yellow. Very vigorous and free flowering. $2.25

Comanche. At first of rich apricot hue, it deepens to copper. Its flower is held high above the water, like tropical water lilies. $2.25

Escarboucle. Brightest crimson and scarlet. Very striking. $3.00

Gloriosa. Deep carmine rose. Free and vigorous. $2.25.

Hermine. A star-shaped white of clear, luminous texture. $2.50

James Brydon. Rosy crimson, small growth. Good for tubs. $3.00

Paul Hariot. Opens soft, clear yellow, deepens to apricot. $2.25

Pink Opal. Although new, so vigorous that the price is low. Deepest pink of great beauty. $2.00.

Sioux. Largest of the sunset tints Opens brassy yellow, deepens to blood red. $2.00.

Somptuousa. Large double fragrant flowers of deep rosy pink with contrasting stamens of deep orange. $2.25.

For prepaid delivery add 10c each to hardy varieties and 25c to tropicals.

Vaughan's High Grade Fertilizers

Three High Analysis Special Value Plant Foods

High Analysis Mineralized Loma. 8-8-8. For lawns, flowers and vegetables. This scientifically balanced, up-to-date plant food supplies 15 essential minerals, not merely as traces, but in sufficient quantities to enable plants to derive full benefits from the abundant Nitrogen, Phosphoric Acid and Potash in the mixture. It makes plants more vigorous and more resistant to insects and diseases. They mature earlier, flowers hold blooms longer, vegetables are larger and better flavored. Will make greener, thicker turf. Price per 25 lb. bag, $2.50; 100 lbs. $8.00.

Organic Turf, Tree and Ornamental Food. 10-6-4. A high percentage of the food elements in this mixture are organic, which become available slowly as the plants require them, throughout the growing season. There is no inert material, but everything makes a valuable food contribution to your plants. This combination insures a well fed lawn and flower border without danger of burning. Established lawns should have a top dressing in spring and fall of 20 to 25 pounds per 1,000 square feet. Newly seeded lawns should have up to 40 pounds per 1,000 square feet. 25 lbs., $2.35; 100 lbs., $7.50.

Balanced Rose Ration. 7-8-5. A high organic 100% no filler food of Dried Blood, Fish Scrap, Bone Meal, Potash, Cotton Seed Meal and powdered Tobacco (as aid in wire worm control) and well cured neutral Super Phosphate. Can be used on all garden plants. 1 lb., 25c; 5 lb. bag, 85c; 10 lbs., $1.35; 25 lbs., $2.95; 100 lbs., $9.25.

Fertilizer prices include delivery within 25 miles of Chicago on 25, 50 and 100 lb. lots. On larger quantities than 100 pounds, owing to close quantity prices, the customer pays all freight or express charges

Vaughan's Special Lawn, Tree and Shrub Food

10% nitrogen, 8% available phosphoric acid, 6% potash. Excellent for all types of shade trees and evergreens. For shade trees apply in holes drilled 16 inches deep and 2 feet apart under drip of outside branches at rate of ¾ pound for each foot in height of tree up to 50 lbs. per tree. For evergreens use ½ pound per foot in height of tree, and work into surface soil. 25 lbs., $2.25; 100 lbs., $4.85.

VAUGHAN'S BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Our Bone Meal has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen 2 percent; total phosphoric acid, 22 percent. 5 lbs., 75c; 10 lbs., $1.25; 25 lbs., $2.85; 50 lbs., $3.85; 100 lbs., $6.75; 500 lbs., $27.50

VAUGHAN'S SHEEP MANURE

This is a pure, natural manure, dried and free of weed seed, excellent for mixing with the soil. For use in liquid form, one pound to five gallons of water can be used with safety daily. 5 lbs., 40c; 10 lbs., 75c; 25 lbs., $1.35; 50 lbs., $2.10; 100 lbs., $3.50; 500 lbs., $12.95.

Shredded Cattle Manure. Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins.
25 lbs., $1.45; 50 lbs., $2.50; 100 lbs., $3.75; 500 lbs., $12.95; 1,000 lbs., $24.50.

Armour Vertagreen Plant Food. Analysis: 5-10-5. Vertagreen is a high quality blended and balanced plant food for lawns, flowers shrubs, trees and garden vegetables. Prices 5 lb. bag, 50c; 10 lb. bag, 90c; 25 lb. bag, $1.60; 50 lb. bag; $2.65; 100 lb., bag, $4.25.

Activo (Formerly Bacto). Make your own fertilizer easy, quick—often in as little as three weeks. Odorless! Organic! Just sprinkle Activo on kitchen waste, leaves, garden rubbish, sewage sludge, etc. Sprinkle in outdoor toilets, reduces odors, makes easily handled ash of waste. No. 2 size $1.00; treats 450 lbs. compost; No. 7 size $2.00; treats up to 1800 lbs.; No. 25 size $6.99; treats up to 3 tons compost. No. 50 size drum, $11.95; treats 6 tons compost. 100 lb., size $19.95.

Adco Artificial Stable Manure. Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. of Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. 5 lb. bag, $1.25; 20 lbs., $2.90; 150 lbs., $14.50. Write for booklet.

Aluminum Sulphate. For creating acid condition in the soil. 1 lb., 15c; 5 lbs., 60c; 10 lbs., $1.00; 25 lbs., $2.00; 100 lbs., $4.75.

Ammonium Nitrate. Nitrogen content 34%. Since it is almost impossible to secure Sulphate of Ammonia and Nitrate of Soda, this is a good substitute and runs much higher in Nitrogen content 5 lbs., 85c; 10 lbs., $1.35; 25 lbs., $2.25; 50 lbs., $3.50; 100 lbs., $6.25; 500 lbs., $28.75.

California Liquid Vitamin B1. 4 oz. bottle makes 30 gallons solution. One teaspoon to gallon of water Price 35c postpaid; 8 oz. 50c postpaid.

Electra. Fertilizer (4-9-3). A high organic all around plant food for feeding, forcing and finishing The best substitute for Clay's fertilizer, formerly imported from England. 25 lbs., $3.95; 50 lbs., $5.95; 100 lbs., $9.95.

Esminel. Can be used to mineralize your garden. Can also be added to fertilizers used for trucks crops, lawns, shrubs, trees, etc, This adds the necessary minor elements such as Manganese, Boron, Magnesium, etc. Price, 5 lb. pkg. $1.25; 100 lbs., $12.

Vaughan's Peat Moss

IMPORTED CANADIAN HORTICULTURAL GRANULATED

A moisture-retaining humus. An important aid in saving soil fertility, better than manure; prevents the formation of hard top crust and fungus growth. Home garden size bag, about 25 lbs., $2.65; half of large bale, approximately 50 lbs., $3.95; large bale of about 100 lbs., contains approximately 15 bushels of loose peat before bales are compressed, $5.75.

Peat Moss (German) in standard burlapped bales, each $5.75

Fulton's Plantabbs. Odorless plant food in tablet form, supplies a completely balanced plant food including Vitamin B-1. Per box of 30 tablets, 25c; box of 75 tablets, 50c; box of 200 tablets, $1.00; postpaid. Large size approximately 1,000 tablets, $3.50.

Hyponex Plant Food. Can be used in dry or liquid form; teaspoonful makes 1 gallon. Contains Vitamin B1. **Analysis: 7 percent nitrogen; 6 percent phosphoric acid; nineteen percent potash.** 3 oz. tin, 25c; 1 lb., $1.00; 10 lbs., $8.00; 25 lbs., $15.00; 50 lbs., $25.00; 100 lbs., $40.00.

Hy-Gro. Analysis: 13-26-13. The soluble plant food and starter solution. 3 oz., 35c, postpaid; 20 oz., $1.10, postpaid; 10 lbs., $4.50; 25 lbs., $8.00; 100 lbs., $25.00.

Kapco. All soluble fertilizer 15-30-15, for liquid feeding with added minor elements. Price 25 lbs. $7.50; 100 lbs. $20.00.

Lime Phosphate, Ruhm's. Nature's source of phosphorus. The most phosphate at lowest unit cost. 80 lbs., $2.45; 480 lbs., $10.00; 960 lbs., $19.50; 2,000 lbs., $33.50.

Loma. Beautifies lawns and gardens, a scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in nitrates, phosphate and potash; contains no filler. 5 lbs., 50c; 10 lbs., 90c; 25 lbs., $1.60; 50 lbs., $2.75; 100 lbs., $4.50.

Milorganite. Activated sludge fertilizer, free of weed seeds. Feeds over a long period. 25 lbs., $1.35; 50 lbs., $2.15; 100 lbs., $3.50; 500 lbs., $17.50; 1,000 lbs., $32.50.

Muriate of Potash. Should be used liberally, especially for all root crops. 25 lbs., $1.95; 50 lbs., $3.10; 100 lbs., $5.75.

J. M. T. C. ORG·A·NUR ALL-ORGANIC-MANURE

Fertilizer with a peat-moss base impregnated with a high grade manure. Per 50 lb., bag, $2.75; 5 bags for $12.50; 10 bags for $24.00.

Peat, Orchid. Very useful for orchids and azaleas. $5.35 per sack of about two bushels.

Rhodo-Azalea Food. 3-20-3. 5 lb. package, each, 85c; 10lbs., $1.35; postage extra.

Vigoro. Complete Plant Food. Supplies in balanced form the eleven vital plant food elements for hardy, beautiful plants. Clean, odorless, sanitary, and easy to use. Vigoro has brought gardening success to millions of home owners everywhere. 5 lbs., 50c; 10 lbs., 90c; 25 lbs., $1.60; 50 lbs. $2.65 100 lbs., $4.25.

Super Phosphate. Twenty percent available. 25 lbs., $1.25; 50 lbs., $1.85; 80 lbs., $2.85; 480 lbs., $10.50; 960 lbs., $20.00; 2,000 lbs., $37.50.

Sulphate of Ammonia. Price, 5 lbs., 65c; 10 lbs., $1.10; 25 lbs., $1.75; 50 lbs., $2.75; 100 lbs., $4.95

Take-Hold Plus High Analysis Plant Food 10-52-17 plus rooting hormones. Used in starter solution, supplies needed stimulant immediately. Transplants overcome root shock quickly, resume growth almost at once. Leaves no sludge to clog up sprayer. Plants mature earlier For flowers, vegetables, shrubs and pot plants. 2 oz. packet makes 2 gallons, price each, 25c, postpaid, 30c; 12 oz. makes 12 gallons, each, 85c, postpaid, 95c.

SALEM FERTILIZER SPREADERS

Will spread any kind of commercial fertilizer, grass seed or top dressing Has new disc wheels, rubber tires, foot rest and selective feed control. 16 inch hopper capacity about 20 lbs., price each $7.50; 20 in. hopper capacity about 40 lbs., each, $11.50; 30 in. hopper capacity about 80 lbs., each $17.50. Super Heavy 36 in., hopper capacity over 125 lbs., ea. $35.50

MASTERS FERTILIZER and SEED DISTRIBUTORS

New microscopic control, "finger tip" action. No. 25S, 20 lb capacity, steel wheels. A good low priced, sturdy spreader. Price each, $8.25; No. 25-D same as above with rubber tires and tubular handle with rubber grip, each $9.25. No. 30, 50 lb. capacity, with rubber tires and rubber grip handles, price each, $11.75.

Masters Perfect Spreader, heavy duty, No. M241, 24 inch, with steel wheels, price, $30.50; No. M361, 36 inch, with steel wheels, price, $42.50; No. 361D, 36 inch, with rubber tire wheels, price, $47.25. No M-361 S. D. 36 inch. stainless steel agitator and bottom with semi pneumatic tires, each $56.95.

INOCULATORS

Nitragin. The Original Legume Inoculation. **Culture A.** For alfalfa, sweet clover, burr clover and hubam clover. 1 bu. size, 50c.

Culture B. For clovers, medium and mammoth red, alsike, crimson and white. 1 bu. size, 50c.

Culture C. For all vetches. Peas, Austrian, Canadian, golden and sweet peas, broad beans and lentils. Medium size will inoculate up to 100 lbs. seed 50c.

Culture D. For Beans. 1 bu. size, 50c.

Culture E. For peanuts, cow peas, velvet beans and lima beans. Small bu. size, 35c; 5 bu. size, 55c.

Culture L. For all Lespedeza, large size inoculates up to 100 lbs.; 50c.

Culture S. For Soy Beans, all varieties. Small size inoculates up to 120 lbs. seed, 35c; 5 bushel size, 55c; 25 bushel size, $2.50.

Garden Size. For garden peas, sweet peas, beans, lima beans and lupines. Pkt., 15c; three for 40c; each packet will treat up to 6 lbs. of seed.

New Combination Culture "AB". For Alfalfa, Sweet Clover, Bur Clover, Hubam Clover and for Red, Medium Red, Mammoth, White Dutch, White, Wild White, Alsike, and Ladino Clovers **ONLY.** 1 bu size price each, 50c. 2 bu. size 90c.

Sprays and Dusts

ights—By mail ½ pt., 1 lb.; pt., 2 lbs., qt., 3 .; where prepaid prices are not specified, add cents per lb. for postage: otherwise shipment l be by express charges collect.

ACME ALL ROUND SPRAY. For roses, shrubs, vegetables and flowers. Price per lb., $1.10; 4 lbs., $3.50. Add for postage.

ACME ROTENONE GARDEN GUARD. A strong, safe rotenone dust in 1-lb. shaker top cans. Each, 50c; postpaid, 60c; 4 lb. pkg., $1.00. Postpaid $1.20.

ACME 6% CHLORDANE DUST. For dusting in gardens and on lawns to control ants, cut worms, chiggers, wireworms, etc. Price per 1 lb. sifter top carton, each 55c; 4 lb bag, $1.50. Add for postage

% CHLORDANE EMULSION CONCENTRATE. Kills grasshoppers, roaches, ants and many other insects. 1 oz., 39c; 4 oz., 75c; 8 oz., $1.25; 1 pint, $1.95; 1 qt., $3.25; 1 gal., $8.95.

NDANE. Wettable high gamma containing 25% gamma isomer. Price per 1 lb. can, $3.75; 4 lbs. for $14.25.

REE TANGLEFOOT. Perfect safeguard for trees. Price, 1 lb. can, $1.25, postpaid $1.35; 5 lbs., $5.85; 25 lbs., $22.00.

FERMATE. New fungicide gives remarkable control of plant diseases, with safety to all plants. Reliable specific for black spot on roses, leaf spot on chrysanthemums, snap-dragon rust, anthracnose of tomatoes, and brown rot of cherries. Recommended for use against all fungi and mildews. 8 oz., 75c, postpaid, 90c; 3 lbs., $3.50, prepaid for $3.75; six pkgs. for $19.50.

ACME WETTABLE DUSTING SULPHUR. An improved dusting sulphur recommended to control Mildew, Leaf Spot, Black Spot, and Rust on rose bushes, chrysanthemums, snapdragons and other foliage, also Red Spiders on Evergreens. Will control chiggers in the lawn. 2 lb. shaker top carton, 52c, postpaid, 65c.

DRY LIME SULPHUR. For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. Lb., 60c; postpaid 70c; 5 lbs., $2.50; 12½ lbs., $3.25; 100lbs., $23.00.

100% SOILFUME Ethylene Dibromide. The newest and simplest method of fumigating soil against nematodes and wireworms. "Just drop a capsule." 100 capsules treat 100 sq. ft. 1 jar, 100 capsules, $2.00; postpaid $2.20. 1 jar, 200 capsules, $3.25; postpaid $3.60.

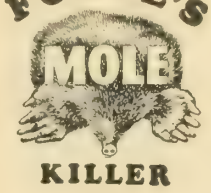
GRAPE AND ROSE DUST. Excellent preventive of mildew. Lb., 40c; 5 lbs., $1.50; 25 lbs., $6.25.

PARA-SCALECIDE. A prepared combination of Scalecide and paradichlorbenzene. A liquid treatment for peach borer control. Safe to use on peach trees of all ages. Simple, effective and inexpensive to use. Can be used to control all borers. One gallon makes eight. Quart, $1.45; gallon, $3.25; 5 gallons, $10.40.

SCALECIDE. A complete dormant spray for fruit trees, shade trees and ornamentals. Controls scale and invigorates growth. Use 1 gal. to 15 gals. water. Qt., $1.15; gal., $2.75; 5 gals., $9.30; 15 gals., $22.00, 55-gal. Drum, $53.00

DOGZOFF. In aerosol bomb type container. Contents about 8 ounces. Price each, $2.25, postpaid, $2.40

DOGZOFF. Breaks dogs of bad habits. Spray underneath your evergreens, and guard them completely against the depredation of dogs. Non-poisonous. Per bottle, 75c; by mail, 85c.



THE ACCEPTED MOLE CONTROL FOR nurseries, greenhouses, gardens, cemeteries, parks and residential lawns. Small size, 35 pellets, 30c; postpaid, 40c. Regular size, 75 pellets, 60c; postpaid, 70c. Large size, 185 pellets, $1.00; postpaid $1.15. Commercial size, 875 pellets, $3.25.

STOMACH POISONS

NTROL, Ready filled. Sets containing 4 filled feeders, 60c; extra jars each, 10c. 4-oz. bottle syrup, 40c.

NTROL ANT TRAPS. Kill both sweet and grease eating ants. Each, 15c; 6 for 80c.

RSENATE OF LEAD (Dry). 1 lb. carton 70c; 4 lbs., $1.95; case of 48 lbs., $18.00. Write for price on larger quantities.

UG SHOT, Hammond's. Guaranteed to destroy potato bugs and those on tomato and egg plants, currant worms, cabbage lice and worms. 1 lb., 40c; 5-lb. tin, $1.65; 25-lb. bag, $5.50.

NAROL. An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. 1 lb., 35c; 2½ lbs., 75c; 6 lbs., $1.50; 50 lbs., $10.00.

ARTAR EMETIC. For control of gladiolus thrip. ¼ lb., 35c. ½ lb., 60c; lb., $1.00.

ERMINE. For eel, cut and wire worms in the soil. ½ pt., 50c; pt., 85c; qt., $1.25; gal., $3.50.

ROTENONE PREPARATIONS

ALITE. Rotenone plus 3% D.D.T. 1 lb. pkg., 35c; 4 lb. bag, $1.25; 25 lb. bag, $6.75.

ED ARROW Garden Spray. Kills by contact, both chewing and sucking insects. Oz., 35c; 4 oz., $1; pt., $2.85.

OTECIDE. Contact and stomach poison. Oz., 35c; ½ pt., $1.00; pt., $1.75; qt., $3.00.

CONTACT INSECTICIDES

CME EMO-NIK. Summer oil spray with Nicotine for scale, red spider and similar pests. Price, 4½ oz., each, 45c; pint, 80c; quart, $1.20; gallon, $3.30. Add for postage

ACK LEAF 40. Nicotine Sulphate. A spray for sucking insects. Directions must be followed carefully. 1-oz. bottle, 36c; 5-oz. can, $1.05; makes 40 to 100 gallons; 1-lb. bottle, $2.42, makes 40 to 200 gallons; 2-lb. can, $4.15, makes 200 to 500 gallons; 5-lb. can, $7.40, makes 400 to 1000 gallons; 10-lb. can, $12.65, makes 840 to 2100 gallons.

K PYRETHRUM. With Rotenone Liquid spray. 1½ oz. bottle, 50c; 8 oz. bottle, $1.75.

VERGREEN SPRAY. Non-poisonous when used as directed. Price 1 oz., 40c postpaid; 6 oz., $1.25 postpaid; pint, $2.60 postpaid.

EMON OIL. Destroys mealy bug, scale, red spider. ½ pt., 50c; pt., 85c; qt., $1.50; gal., $4.20; 5 gals., $16.80

ICO-FUME POWDER PRESSURE FUMIGATOR. Burned under pressure in the can. ½-lb. can, 65c, doz., $6.00; 1-lb. can, $1.00; doz., $9.00.

ICOTINE PYROX. For chewing and sucking insects. 20 oz. jar, 60c. 5 lbs., $3.00.

YRETHRUM POWDER. Lb., 85c; 5 lbs., $3.75; 10 lbs., $6.75.

OBACCO DUST. Contains over ¾ nicotine superfine grind. 1 lb., 25c; 5 lbs., 75c; 10 lbs., $1.25; 25 lbs., $2.75. Add postage

OBACCO STEMS. 100 lbs., $3.50; 500 lbs., $12.00; 1,000 lbs., $23.00.

CHLORDANE

ILORDANE. (Water Base—2½% Chlordane). Especially for household uses. It is a non-staining, non-oily liquid with a delicate cedar aroma. Killing power lasts for weeks. ANTS, cockroaches, flies, water beetles, earwigs, carpet beetles, silverfish, moths destroyed. Pint, 79c; quart, $1.39.

FUNGICIDES

BULB-PROTECT. Protects bulbs against rodents and fungi. 1½ oz. pkg., 35c; 16 oz. pkg., $1.75; 5 lb. pkg., $7.50; 25 lb. drum, $22.50

BORDEAUX MIXTURE (Dry). The best fungicide for black rot, mildew, blight, leaf curl, scab or other fungoid diseases. 1 lb. will make 5 gallons liquid. Lb., 50c; 4 lbs., $1.35; postpaid, $1.60

FLOWERS OF SULPHUR. For dusting. Lb., 15c; 10 lbs., $1.00; 50 lbs., $3.25; 100 lbs., $6.00

FORMACIDE FORMALDEHYDE DUST. Controls "damping off" of seedlings. 1 lb., 85c; 5 lbs., $2.50; 25 lbs., $10.00; 50 lbs., $17.50

MAGNETIC SPRAY Wettable Sulphur. Can be used with other insecticides. 4-lbs., 65c; 24 lbs., $3.00.

PHYGON XL. For use on apples, stone fruits, tomatoes, beans and sweet potatoes. Price 2 oz., 50c; postpaid 55c; 4½ oz., $1.00, postpaid $1.10; 1 lb., $2.70, postpaid $2.85.

SEED-PROTECT. Protects seeds from fungi. 2 oz., 35c; 16 oz., $2.00; 5 lbs., $8.00; 50 lbs., $75.00.

ARASAN. Reduces seed decay and damping-off. Destroys seed and soil-borne organisms. Price ¾ oz., 25c; 8 oz., $1.00 postpaid, $1.15

SEMESAN. The universal seed disinfectant and plant stimulant. ⅓ oz., 20c; 2 oz., 60c; 12 oz., $2.40; 4 lbs., $11.00; 25 lbs., $58.28; 100 lbs., $219.80. Write for leaflets, stating for what purpose desired.

Special Semesan. Control for Brown Patch, Dollar Spot, etc. in Bent Lawns. 1 lb., $2.00; 4 lbs., $6.92; 25 lbs., $39.96; 100 lbs., $149.85

Semesan Bel. For Potatoes. 2 oz. tin, 50c; 1 lb., $2.00; 4 lbs., $6.33; 40 lbs., $59.00; 100 lbs., $138.75.

New Improved Ceresan. 4 oz. tin, 45c; 1 lb., $1.15; 4 lbs., $3.90; 40 lbs., $32.20; 100 lbs., $75.90

2% Ceresan. 1½ lbs., $1.65; 25 lbs., $20.15; 100 lbs., $75.90.

Ceresan M. 14 oz. tin, $1.15; 3 lb. tin, $3.25; 40 lbs., $32.20; 100 lbs., $75.90.

Write for leaflet on Semesan and Ceresan.

SPERGON. Kills the soil fungi and bacteria which cause damping off. 1 oz., 25c; postpaid 35c; 5 oz., $1.00, postpaid, $1.10; 1 lb., $2.25, postpaid $2.35; 10 lbs., $20.00; 50 lbs., $93.80; 100 lbs., $178.00.

Spergon Wettable Powder. 4 oz. tin, 50c; lb., $1.25; postpaid, $1.35.

VOLCK. Summer oil spray for growing plants. Controls scale insects, mealy bug, white flies, red spiders, rust mites, aphis and thrips. 4 oz., 50c postpaid; pint, 90c postpaid; 1 gal., $2.85; 5 gals., $9.95.

TRIO-GEN. Combined spray treatment fungicide-insecticide and plant stimulant. A complete protection against plant insects and diseases. E, kit trial size, $1.35; A, small kit makes 16 qts., $2.25; B, medium kit, makes 64 qts., $6.00; C, large kit, makes 32 gals. $9.00; D, estate kit, makes 128 gals., $30.00.

Prices Subject to Change Without Notice.

COMBINATIONS

POMO GREEN (With Nicotine). A green colored fungicide and insecticide. Lb., $1.05; 5 lb., $3.85.

PYROX. Kills all leaf-eating insects, destroys fungus growth, blight and rot. 25 lbs., $6.00; 50 lbs., $9.00.

RED ARROW DUST. Contains ¾%. Rotenone 2 lb. bag, 60c; 5 lb. $1.35. Postpaid $1.60.

WILSON'S O. K. PLANT SPRAY. For aphis, red spider, mildew, scale, etc. ½ pt., 40c; qt., $1.15; gal., $3.50; 5 gals., $13.50.

MISCELANEOUS

CARBON DISULPHIDE. For ants and cut worms. (By express only.) 1 lb., 75c

CYANOGAS CALCIUM CYANIDE "G". Greenhouse fumigant. For aphis, white fly, thrips, soft scale, and mealy bug. 5 lbs., $3.75; 25 lbs., $12.50; 100 lbs., $30.00. (By express only).

CYANOGAS A. DUST. Kills ants, moles, mice, rats, groundhogs and prairie dogs. (By express only.) 4-oz. tin, 50c; 1 lb., $1.25; 5 lbs., $3.75; 25 lbs., $12.50; 100 lbs., $30.00

CYANOGAS FOOT PUMP. Each, $15.00.

DOG-SHOO. Keeps dogs and cats away. Qt., 85c; gal., $2.25.

DUPONT ROSE DUST. 8 oz. Dust Gun, each 69c; postpaid 80c; 1 lb. sifter top can $1.00; postpaid $1.10; 4 lb. Canister $3.00, postage extra

DUPONT 10% D.D.T. INSECT DUST. 1 oz. Puffer Can, postpaid price 30c; 8 oz. Dust Gun 93c; postpaid $1.00; 1 lb. Sifter Top can, each $1.15; postpaid $1.25

DUPONT GARDEN DUST. A complete insecticide and fungicide. 8 oz. Dust Gun, 79c; postpaid, 89c; 1 lb. Sifter top can, $1.15; postpaid, $1.25; 4 lb., Canister, $3.50. Add postage.

DOWFUME SOIL FUMIGANT. Very effective in controlling soil pests. A gallon treats 400 sq. ft. Price per gallon, $1.75; 5 gals. for $7.25.

STOP. A tree banding compound. Perfect safeguard for trees. Lb. jar, 95c; 7½ lb. jar, $5.50.

NAPTHALENE FLAKES. 1 lb., 45c; 5 lbs., $1.75; 10 lbs., $3.00; 25 lbs., $6.75.

PINE TAR. For tree surgery. Stops bleeding of the sap. Pint, 50c; qt. 85c; gal. $2.25.

G and O CROW REPELLENT. Protects from crows, moles, squirrels, etc. ½ pt., 35c; pint, 55c; qt., 85c

SODIUM SELENATE, P 40, applied to soil is absorbed by the plant tissues, and destroys many insects that attack the plant. Never use on food crops. Excellent results are reported on gladiolus thrips and chrysanthemum pests outdoors. P-40, containing 2% sodium selenate 3 lbs., (to treat 100 square feet or 100 feet of row) $1.50, prepaid; 25 lbs., $6.50 by express, charges collect.

For suitable sprayers, see index.

SULPHATE OF IRON. 5 lbs., 75c; 10 lbs., $1.25; 25 lbs., $2.00; 50 lbs., $3.25; 100 lbs., $5.25.

D. D. T. for All Purposes

Bug-go Insect Spray-Bomb Kills All Household Insects. The most effective aerosol insecticide. Deadly to flies, roaches, bedbugs, silverfish, ants, mosquitoes, wasps, and any crawling or flying pests. Contains DDT, Pyrethrum and Piperonyl Butoxide, three killing ingredients. (If one doesn't get them, the others will.) Approved by U.S. Department of Agriculture. Leaves no unpleasant odor. Used as directed, is completely harmless to humans. Each, **$1.30**, postpaid, **$1.40.**

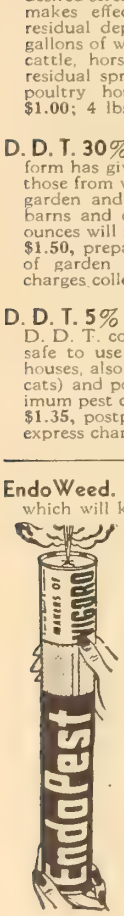
D. D. T. Household Spray. An oil spray for lasting control of household pests. For spraying or brushing on screens and porch walls, and general household use according to directions. Kills bedbugs, flies, mosquitoes, moths, ants, silverfish and many others. Do not use on plants or animals. Quart **75c**; prepaid for **85c**; gallon **$1.95**, shipped by express charges collect.

D. D. T. 50% Wettable Dust. For diluting in water for spraying, or mixing with talc to prepare dust of desired strength. One pound in 100 gallons of water makes effective garden spray leaving a heavy residual deposit on plants. Three pounds to 100 gallons of water makes effective and safe spray for cattle, horses, hogs and other farm animals, or residual spray for walls of barns, stables, hog or poultry houses and milk sheds. 1 lb., postpaid, **$1.00**; 4 lbs., **$1.95**, postpaid for **$2.15.**

D. D. T. 30% Liquid Spray. D. D. T. in emulsion form has given results on some insects superior to those from wettable powders. This is safe to use on garden and greenhouse plants, also for spraying barns and other buildings to control flies. Eight ounces will make 25 gallons of garden spray. 8 oz., **$1.50**, prepaid **$1.60**; 1 gallon (makes 400 gallons of garden spray) **$6.75**, shipped by express, charges collect.

D. D. T. 5% Dust. A ready-mixed garden dust of D. D. T. combined with a fine, light-weight filler, safe to use on all plants in gardens and greenhouses, also on livestock, dogs, pet animals (except cats) and poultry. Its extra strength assures maximum pest control. 1 lb.**40c**; postpaid, **50c**; 5 lbs., **$1.35**, postpaid, **$1.65**; 25 lbs., **$4.50**, shipped by express charges collect.

EndoWeed. Preparation of 2,4D in liquid form which will kill most lawn weeds when sprayed on according to directions. ½ pint can, 98c; postpaid, **$1.10**; qt. can, **$2.69**; postpaid, **$2.85**; gal. can, **$6.50.**



Endo Pest. A triple acting dust for garden plants which kills insects of all types and protects against fungus diseases. An all-purpose material to protect gardens against both insects and disease with same treatment.

Endopest Applicator gun complete, 79c, refill cartridge, each, 59c, 2 lb. package, $1.79.

ACME TOMATO DUST

Contains basic copper arsenate. The latest improvement in the insecticide field containing a safe arsenical for controling the tomato worm and the tomato fruit worm as well as the early and late blight and other fungus diseases. A full pound sifter top package ready to use, each, **55c**, postpaid, **65c**. 4 lb. Bag **$1.35.** Postpaid, **$1.60.**

PRATT'S FRUIT TREE SPRAY

A combined fungicide and insecticide containing Sulphur, basic Arsenate of Lead and DDT for control of many chewing and sucking insects and fungus diseases on fruit trees, ornamentals and evergreens. 1 lb. Sifter Top can **80c**; 3 lb. bag, **$1.40.** Add postage.

COMBATS ALL PLANT PESTS

Protexall, introduced by us as a one-shot spray or dust using new post-war insecticides and fungicides to combat almost all insects and plant diseases with one treatment has been remarkably successful.

Protexall Contains: D. D. T., Rotenone, Fermate and Sulphur.

Protexall spray is a powder which mixes easily with water. Protexall Dust comes mixed with a spreader and is ready for instant use. It is necessary to order the form you prefer and have the equipment to use, since the spray material does not make an efficient dust, and the dust cannot be used as a spray.

Protexall Spray, 4 oz., **$1.25**, 1 lb., **$3.75**, prepaid; 5 lbs., **$17.50**, F.O.B. Chicago or New York.

Protexall Dust, 1 lb., **95c**, prepaid **$1.00**; 4 lbs., **$3.50**, prepaid **$3.75**; 50 lbs., **$35.00**, F.O.B. Chicago or New York.

AZOFUME 10

KILLS RED SPIDER AND MITES

When your evergreens lose color and the phlox leaves turn brown, red spider is likely to blame. This almost microscopic pest, and other insects even smaller, do lots of damage to garden plants, and are difficult to control. A new insecticide, Azofume, has been found to do the job for greenhouse operators; and it is now available for garden use, as a dust which can be applied to your evergreens and other plants with safety to both plants and operator. Ready to use in your duster.

AZOFUME 10, 1 lb. **80c**; postpaid **90c**; 4 lbs., **$2.40**, postage extra; 50 lbs., **$7.50.**

Weed Killers

Weedar 64. A soluble salt of 2,4D which dissolves completely in water and does not clog nozzles, suitable for pre-emergent and post-emergent control of weeds in cereal crops, and for easy-to-kill weeds in turf and pasture.

1 gallon can, **$5.90**; 5 gal. can, **$28.25**; 30 gallon drum, **$162.00**, F.O.B. Chicago or New York City.

Weedone Concentrate, 48. A high concentration of 2,4D ethyl ester, effective on both easy and hard to kill weeds, and in general the most economical form for large operations.

1 gallon can, **$6.10**; 5 gallon can, **$29.45**; 30 gallon drums, **$161.70**, F.O.B. Chicago or New York.

Weed-no-more. This is a liquid form of 2,4D which is diluted with water and sprayed on plants to be killed.

Size	Area Treated	Postpaid Price
8 oz.	1,600 sq. ft.	$1.10
Quart	6,400 sq. ft.	3.13

Barweed. This is a liquid form of 2,4D. 8 oz. bottle sufficient to treat average lawn. Price per bottle 49c postpaid.

Herbicide is poisonous, live stock should be kept off the treated ground until the dead leaves wither away. For ordinary weeds herbicide is diluted with 50 times its volume in water. One gallon will cover 2,500 square feet. Qt., **75c**; gal., **$2.00**; 5 gals., **$7.50**; 10 gals., **$12.50**; 55 gals., **$44.** By exp. collect.

AMMATE WEED KILLER (DUPONT)

(Ammonium Sulfamate.) A non-poisonous weed killer which can be applied by hand or sprayer, or can be applied dry. Will kill Poison Oak, Poison Ivy, Poison Sumac, Dandelions and Plantain. Use ¾ to 1 lb. to a gallon of water. Price, 2 lb. bottle, **$1.00**; postpaid, **$1.10**; 6 lb., **$2.70**; 50 lb., drum., **$13.00.**

Weedust. For lawns where weeds are few, and can be spot treated, this powder form of 2,4D is effective. Supplied in applicator can from which it can be dusted where desired. Safe to use on bent lawns. Large can enough to kill 1,000 weeds, **75c.**

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

SELTOX CRAB GRASS KILLER

It contains phenol mercuric acetate solubilized, which has been proved in exhaustive tests to kill crab grass without injuring desirable lawn grasses. It can be used at any stage of growth, from the seedling stage to maturity, with equal effectiveness. Though a poison, it is mixed with water 100 times its bulk, and is easily handled with safety at all stages. Apply with watering can or sprayer. Complete directions on each bottle.

Quantity	Area Treated	Postpaid Price
8 oz.	1,000 sq. ft.	$1.10
16 oz.	2,000 sq. ft.	1.65
Quart	4,000 sq. ft.	2.70
Gallon	16,000 sq. ft.	$9.00 by exp. collect

Sprayway Mothproofer. Bomb as illustrated is trouble free and inexpensive to use. Leaves no stain or crystallization on fabric. Contains paradichloro-benzene plus other active moth repellents. Price each, **$1.39**, postpaid, **$1.50.**

Sprayway Aluminum Enamel Bomb like above. Fun to apply SPRAYWAY ALUMINUM PAINT. One coat covers radiators, fixtures and other equipment. Any surface—brick, metal or wood—will take a coat of SPRAYWAY ALUMINUM PAINT. Price, each, **$1.39**, post paid, **$1.50.**

Plant Hormones

TRANSPLANTONE

One level teaspoon makes 10 gallons of solution, water your plants with Transplantone to get better roots, more vigorous growth and quality flowers. ½ oz., pkt., **25c**; 3 ounce can, **$1.00**; 1 lb. can, **$4.00.**

ROSETONE

A proven combination of Hormones and Vitamins. Insures the success of your roses. Soak roots of your bushes in Rosetone before planting. Water your established rose bushes for better growth. ½ oz. packet will treat three to four average size rose bushes. Price each ½ oz. packet, **25c**; 3 oz., **$1.00.** Full directions on package.

FRUITONE

Hormone spray for preventing preharvest drop of apples. Holds apples on the tree longer. Fruitone sprayed on flowers produce better set of seed and fruit, such as tomatoes, and beans. 2/5 oz. pkg., **25c**; 2 oz. can, **$1.00**, makes 25 gals. of spray; 8 oz. can, **$3.50.**

Fruit-Hold. Prevents premature drop of fruit. Contains alpha naphthyl acetic acid. Will not spot fruit, mixes easily and leaves no objectionable residue. ¾ oz., **50c**; 2 oz., **$1.00**; 8 oz., **$3.50.**

ROOTONE

A hormone powder easy to use, which stimulates root development. No skill is needed to apply, just dip and plant. Price, ¼ oz. pkg., **25c**; 2 oz. jar, enough to treat 3,000 cuttings, **$1.00**; 1 lb. jar will treat up to 30,000 cuttings, **$5.00.**

Rootone No. 10. For rooting of Azaleas, and other woody cuttings. 2 oz. jar, **$2.00**; 1 lb. can, **$10.00.**

Write for leaflet; all postpaid.

HORMODIN POWDERS

Stimulate Root Growth on Cuttings.

POWDER NO. 1. Designed primarily for use on Carnations, Chrysanthemums, Poinsettias, Roses and similar types. **Price,** 1¾ oz. pkg., each, **50c**; 1 lb., **$3.00.**

POWDER NO. 2. Designed for use on less sensitive species, which comprise many of the semi-woody types and many of the common shrubs. **Price,** 1¾ oz., **75c**; 1 lb., **$4.50.**

POWDER NO. 3. Designed for use with the more resistant species which comprise most of the evergreens and dormant leafless cuttings. **Price,** 1 oz., **$1.00**; ½ lb., **$4.50.**

COMBINATION PACKAGE OF NO. 1-2-3. In one carton, each, **75c.**

Floralife. Makes your cut flowers live longer. Pkt. to make 1 qt. solution, each, 10c, three pkts for 25c. Home size tin makes 30 qts., each, **$1.00**; 100 qt. size, each, **$3.00**; gift pkg., **$1.00.**

Garden Hose Applicators

Hayes Jr. Spray Gun

All Purpose Sprayer. Makes 4 gals. of mixed spray aterial at a time. Sprays liquid and most wettable wders, up, down and sideways. Attach to your rden hose. Gives you the efficient performance of avy, expensive equipment. Operates on water pres-re from 30 to 75 lbs. No moving parts to wear out break. Each, **$7.95**

This is a special mixing and spraying nozzle which taches to the garden hose. Insert insecticide cart-dge and spray—as easy as watering your lawn. Brass ish, each, **$4.00.** Chrome finish, stationary nozzle, ch. **$4.50**; with adjustable nozzle, **$5.50.**

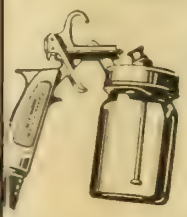
36 inch extension, straight chrome finish, **$1.75.**

nold Weed-O-Spray Combination set consisting of 1 Plastic sprayer and 2 Weed-O cartridges. Price **$1.50.**

ARTRIDGES FOR GARDEN HOSE SPRAYERS

We can supply a complete line of cartridges, Rotenone, Nicotine Pyrethrum, D. D. T., Sulphur, Bordo Arsenate of Lead. Price, each, **35c**; three for .00; doz., **$3.85.**

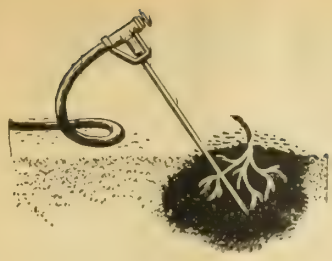
INSECT-O-GUN



This is a 3 gallon Lawn and Garden Insecticide Sprayer. The most compact, simple and easy to use sprayer available. Just put insecticide in the Pint Jar, attach to the Garden Hose, and the water pressure does all of the work. Eliminates pumping and carrying a heavy tank. Recommended for applying 2, 4-D for exterminating weeds. Price each, **$5.95.**

Feeds Plants Through Hose Water

Hozon. Simplest, ost practical and wide-useful gadget to mix ant food with the hose ater is Hozon. This phoning device draws m an open bucket or b water in which the luble plant food has en mixed. Insoluble sidue remains in the cket, without rising to og or corrode the hon The liquid from e bucket is mixed with se water in the ratio of to 1, which insures mplete safety against rning green foliage. One gallon of solution is drawn m the pail in about 5 minutes, and distributed over e lawn or garden diluted with water 12 to 18 times volume, depending upon the pressure. Residue ay be thrown on or mixed with soil, where its re-aining food value will be utilized. Hozon siphon is ass, with stainless steel check valve, rubber suction be and stainless steel strainer to prevent clogging. e best device for applying ammonium nitrate, monium sulphate, Hy-gro, and other soluble plant eds. Also will handle 2,4D, if three times as much ater is used as instructed for given area. Don't use r mercuric fungicide or herbicides. Each, **$1.75,** stpaid, **$1.90.**



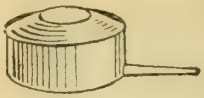
Ross Root. Feeder. Irrigates and feeds at the same time with 12 nutrient cartridges complete, **$3.95.** Extra cartridges, carton of 12, **$1.00.**

Dusters

FEENEY MODEL C DUSTER

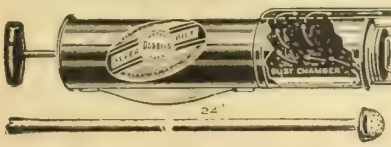
Splendid Hand Duster. Each, **$1.50,** postpaid, **$1.60.**

CYCLONE POWDER GUNS JUMBO



Cyclone, each, **35c. Jumbo,** each, **60c.** Postage extra, each, **5c.**

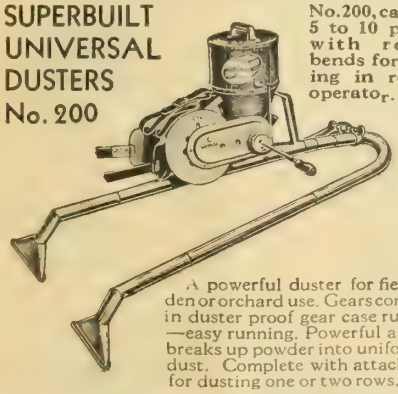
Dobbin's Improved Hand Duster



Recommended for applying Pyrethrum, Rotenone, Derris Root. A uniform discharge down to the last particle of dust. For all garden and field crops. Self-lubricating pressure seal valve plunger. Capacity 1 lb., equipped with two-way dust cap.
No. 132 Duster . . . . . Each, **$1.90.** Postpaid, **$2.00.**

Write for price and leaflet on the large American Beauty Duster.

SUPERBUILT UNIVERSAL DUSTERS No. 200



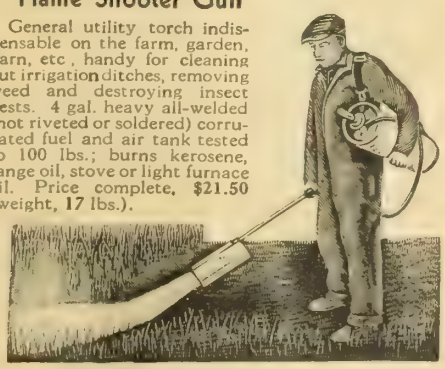
No. 200, capacity 5 to 10 pounds with return bends for dusting in rear of operator. Each, $22.80.

A powerful duster for field, garden or orchard use. Gears contained in duster proof gear case run in oil —easy running. Powerful air blast breaks up powder into uniform size dust. Complete with attachments for dusting one or two rows.

BURN WEEDS AND PESTS

Flame Shooter Gun

General utility torch indispensable on the farm, garden, barn, etc., handy for cleaning out irrigation ditches, removing weed and destroying insect pests. 4 gal. heavy all-welded (not riveted or soldered) corrugated fuel and air tank tested to 100 lbs.; burns kerosene, range oil, stove or light furnace oil. Price complete, **$21.50** (weight, 17 lbs.).



No. 549 Chapin Hand Duster. One of the finest dusters. Handles all types of dust. Each, **$1.15,** postpaid.

Sprayers

DOBBIN'S BIGHEAD SPRAYER

5⅛" diameter opening. Easy to fill, drain and clean. Positive quick sealing device. Equipped with patented self-lubricating pressure seal valve plunger. More air per stroke. Brass shut-off with trigger quick spray lock. Universal nozzle, sprays at any angle. Will handle all spray solutions. 4 gallon capacity.
No. 44G Galvanized tank. Each, **$12.40.** Stainless steel each, **$21.60.**

SMITH'S SPECIAL SPRAYER

A durable, low-priced sprayer, has a funnel top, made of heavy, galvanized steel as illustrated. 3½ gallon capacity. Price, **$7.95.**

Smiths Lighting Open Head. Extra heavy galv. sprayer. 4 gal. Price **$9.45.**

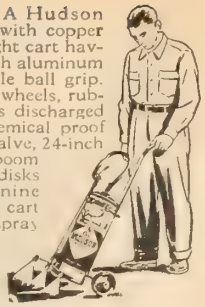
Jim Dandy Cart Sprayer

The king of all sprayers. The all around sprayer for lawns, vegetable crops, trees, shrubs, etc. Also a handy sprayer for factory or indoor use. Easily wheeled around. Equipped with balloon tires and 12 ft. of ⅜ inch high grade spray hose and automatic shut-off nozzle. Galvanized, price each **$37.00.**

CHAMPION KNAPSACK SPRAYER

This all purpose, portable sprayer will handle insecticides, fungicides, weed killers, water paint, etc. Equipped with brass agitator, will hold 4½ gallons of any liquid. The form fitting tank is held comfortably in place on operator's back by adjustable straps. Price, galvanized, each **$26.70**; with brass tank, **$29.90.**

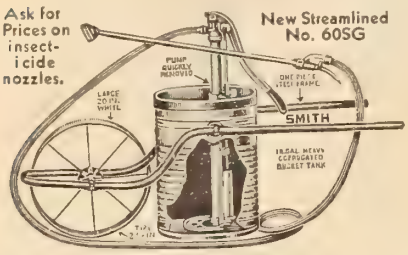
Special Sprayer for 2,4D. A Hudson 3½ gallon pressure sprayer with copper tank fits as illustrated on a light cart having a steel frame and axle, with aluminum tube handle, with comfortable ball grip. The cart rides on 6-inch disc wheels, rubber tired. Spray material is discharged through a 24-inch oil and chemical proof hose, through brass control valve, 24-inch brass tube, and 18-in. brass boom with three nozzles, fitted with disks for flat-fan spray, spaced nine inches apart. As you roll the cart over the lawn at a slow walk, spray from the three nozzles wets the grass. Complete, packed in two cartons, weight 15 lbs. $21.50. F.O.B. Chicago, Ill. or New York, N. Y.



WHEELBARROW SPRAYER

Ask for Prices on insecticide nozzles.

New Streamlined No. 60SG



For spray solutions, disinfectants or whitewash. Develops 250 lbs. pressure with minimum of effort. Made of best materials, all working parts of brass or bronze. Cart is strong, all steel and cross braced. Tank holds 18 gallons. Fully equipped with hose, nozzle, etc. $36.00. Shipping weight, 80 lbs.

No. 60 S.P.G. Same as above, but with pressure tank and gauge and iron wheel. Price, $49.50.

UTILITY PORTABLE POWER SPRAYER

25 gal. steel tank, 1½ H. P. engine, 12½ ft. high pressure hose and adjustable spray gun with Rubber Tires. Price each, $205.00. Write for leaflet.

G. S. MASTER SPRAYER

This sprayer can be used for spraying all types of insecticides, flower and vegetable gardens, fruit and ornamental trees. Sprays from a fine mist to a 35 ft. spray stream. Made of 100% brass throughout. Jr. Model each, $6.95; Master Model with adjustable nozzle and 45 degree brass extension, each, $8.95.

PNEUMATIC HAND SPRAYER

Compressed air **hand sprayer.** Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used to apply insecticides, etc. One quart size has extra nozzle for underleaf spraying. Galv. tank, $1.75; tin, $1.50

BLIZZARD COPPER CONTINUOUS SPRAYER

Very durable, seamless brass pump, solid copper tank with adjustable nozzle for straight and underleaf spraying. Pint size, $4.25; quart size, $4.95.

Swan Double Braid Green Garden Hose. Full ⅝ inch. This hose is guaranteed for 15 years. Has smooth, tough inner tube and 2 braids of heavy rayon cords. A beautiful green cover of wear resisting Neoprene, equipped with nickel plated maxivolume coupling. Will not burst under 800 lb. water pressure. 50 ft. only weighs 16 lbs. Easy to handle. Price per 50 ft. length coupled, $11.75.

Swan Black Single Braid Hose. Full ⅝ inch. Same construction as above. Guaranteed for 5 years. 50 ft. length weighs 14 lbs. Price per 50 ft. length coupled, $8.75.

Swanite Reinforced Plastic Garden Hose. Single Braid, ⅝ inch green, light-weight. Does not kink, fade, crack or rot or sun-check; with full nickel-plated, maxivolume coupling. Will withstand highest pressure. Guaranteed for five years. Price per 50 ft. length, $10.45.

Rubber Garden Hose. ⅝ inch, single braid, coupled, 50 ft. length, price $6.95; ¾ inch, double braid, coupled, 50 ft. length, price $13.50.

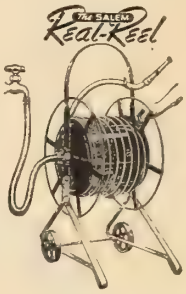
AVON MODEL NO. 950 LAWN AND GARDEN SPRINKLER

Mounted on sled-like frame that moves with ease by pulling hose to change its position. Covers about 1500 square feet or more, depending on water pressure, in a rectangular area 30 ft. on either side and 30 ft. in width. Price each, $14.95.

Metco Wave S rinkler. Wave type covers a rectangular area 38x45 in. Model S, each, $16.95. Model M, $12.95. Model J, $9.95.

HOSE REEL

The only portable reel permitting water to run through the reeled-up hose. Equipped with 5 ft. of accessory hose and connection to attach to hydrant as illustrated. Saves time and work. The hose does not need to be removed from the reel to connect it to the water current. Made of the best steel, very durable rubber tire wheels. Price each, $14.95.



LINCOLN PARK OR BUTTERFLY SPRINKLER

Cheapest and best sprinkler made. Each, $1.10; postpaid, $1.20.

JUSTRITE BRASS HOSE NOZZLE

For lawn and garden, can be changed from fine spray to stream. ¾ inch, each, $1.10; by mail $1.15.

RAIN KING ADJUSTABLE HOSE NOZZLE

Can be adjusted from fine spray to stream. Price, each, $1.40; postpaid, $1.50.

ROSS SQUARE SPRAY HEADS

It sprinkles a square, making it easy for you to install your own underground system, at a very low cost. Threaded for ½ in. pipe, capacity 3¼ gals. per minute. Has a slotted adjusting screw to control the area of the spray. 54A. Price, ea., 75c; per doz., $8.40. 64A. ½ or ¼ circle heads. Price ea., 75c; doz., $8.40.

ROSS NO. 10 HAND SPRINKLER

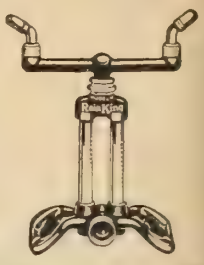
Preferred by nurserymen and home owners alike. Capacity 13 gallons per minute. Do not compare with cheaper imitations. Each, $1.35; postpaid, $1.45.

SOIL SOAKER

Soil Soaker for deep soaking, the water method approved by agricultural colleges and nurseries, now available for home use. Equipped with regular hose connection for attaching to hose or pipe. Price, No. 0, 12 ft., $1.65; No. 1, 18 ft., $2.20; No. 2, 30 ft., $3.40; No. 3, 50 ft., $5.45.

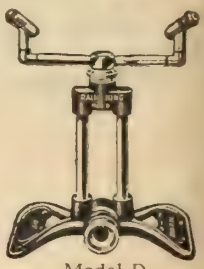
RAIN KING SPRINKLER MODEL H

Chrome plated. Adjustable for coarse or medium shower. Can be used for revolving or stationary sprinkling by simply turning lock wheel. 11¼ in. tall; 9¼ in from nozzle to nozzle. Price ea., $6.95. Shipping weight, 5 lbs.



Model K

Automatic, new, sensational sprinkler that you can set instantly to sprinkle any size circle 5 to 50 ft. by simply turning the button on top of the sprinkler. Price each, $7.75. Shipping weight, 5 lbs.



Model D

Can be adjusted to operate slow or fast. Will operate on any water pressure. Price each $5.50. Shipping weight, 4 lbs.

NATURAIN PERFORATED PIPE

Made of durable aluminum and stainless steel. Each section 5 feet long, weighs less than a pound. Ordinary pressure will throw water 20 feet. Extra 5 foot lengths can be connected with a twist of the wrist. Primary unit with hose connection, price each, $2.95; Secondary Units, each, $2.75. With ordinary pressure five units can be used.

Ross Seedling Sprinkler. This fog rose spray will lay a dew on young plants. It breaks the water into a fine fog. ¾ inch hose threads. Each, $1.45; postpaid, $1.55.

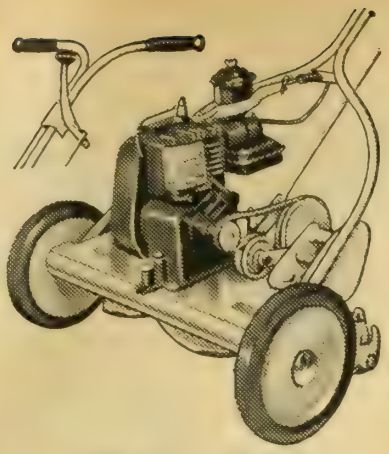
GENUINE DUNHAM

Water Weigh Rollers Lawn With Oilite Bearings

Again we can supply this best of all lawn rollers made. By varying the quantity of water, the weight can be altered to suit the job. Empty, the roller is easy to handle.

No.	Diam. in.	Length in.	Wt. Empty	Wt Filled	Price
1	12½	18	30#	100#	$11.00
2	14	24	68	175	16.95
4	18	24	82	265	20.00
7	24	24	110	420	27.00
*109	24	32	130	565	52.00

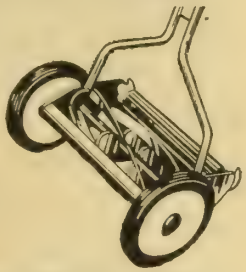
*With roller bearing.



HEINEKE EXCELLO POWER LAWN MOWERS

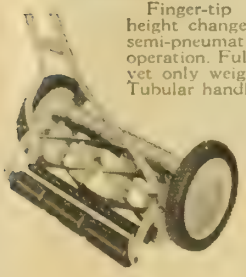
Long-lasting, sturdy construction for maximum performance . . . for the average size lawns. Stepped up power with Briggs and Stratton 1.1 H.P. air cooled 4 cycle engine. Light weight, easy to operate, positive clutch action, semi-pneumatic tires, all steel construction. Shipping weight 115 lbs. 18", each **$94.50.** 21", with 1.6 H.P. engine, shipping weight 127 lbs., price each, **$107.50.** 24", with 2 H.P. engine, with double traction rubber tire wheels, shipping weight 170 lbs., price each, **$164.50.** Write us for pamphlets on these high grade power mowers.

HEINEKE HAND MOWER



Smooth operating trouble free. 16" cutting width; 10" wheels rubber tires and rubber roller; approximate shipping weight 44 lbs. Trimmed in colorful orange red and green trim. A superior product backed by over 45 years experience. Price each, **$19.95.**

CLEMSON LAWN MOWER

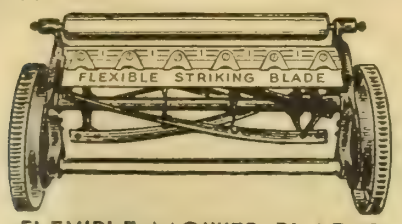


Finger-tip adjustment. Cutting height changed in a second. Large semi-pneumatic wheels insuring easier operation. Full 17" cut. Ruggedly built yet only weigh 35 pounds complete. Tubular handles. Each, **$32.95.**

GRASS CATCHER

Durable canvas kid grass catcher with solid aluminum bottom. Has a sturdy bottom brace to practically eliminate wear and tear of bottoms. Also adds to catcher's overall strength. Adjustable to fit all hand mowers from 14 to 18 inch widths. Price, each, **$2.85**; postpaid, $3.15.

Large for all Power Mowers 18 to 24 inches. Each, $3.65.



FLEXIBLE MOWER BLADES

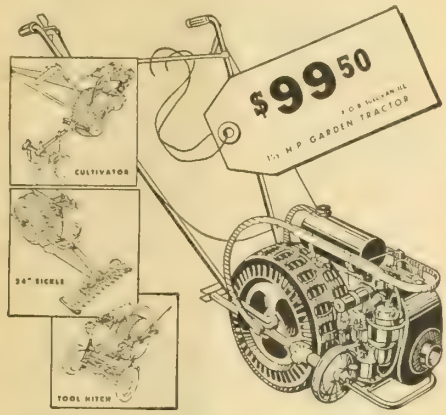
No sharpening, no grinding. Old lawn mowers will cut as good as new. New mowers will cut better, too. Easily attached to mower by removing old blade. Sizes 14, 16, 18 and 20 inches. Postpaid price **$2.00.**

Capital Lawn Trimmer and Edger

For trimming grass around edges and around trees, flower beds, shrubbery, etc. Price each without edger, **$17.85**; With edger, **$18.85.**

CLEAN SWEEP LAWN SWEEPER

Save time and energy, eliminate tedious raking, let the quiet sweeper gently sweep leaves, grass, clippings, small twigs and paper from your lawn and driveway into a canvas basket with easy action. All castings of special aluminum alloy. Strong, durable and rust-proof. Semi-pneumatic tires. Brush unit mounted on self adjusting chrome steel bearings. Aluminum alloy caster wheels provide ease of operation. 20 inch. Each, **$29.95.** Weight, 30 lbs. 28 inch. Each, **$42.00.** Weight 40 lbs.



GEORGE TRACTOR MODEL L.G.

Large 16 inch wheel with 6 inch wide tread pulls through everything. Ample power for all attachments. A ruggedly built, quality tractor

2 H.P. Briggs & Stratton engine. Belt type, rope starter, weight 100 lbs. Price, each **$99.50.**

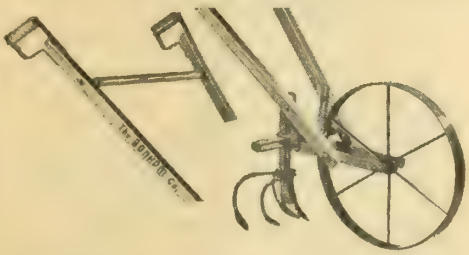
Cultivator, **$8.95.**

Hitch for attaching any 16 inch or 18 inch hand mower, each, **$3.95.**

24 inch Sickle Bar mower, each **$37.50.**

Snow Plow Blade, each **$9.95.**

BONHAM GARDEN CULTIVATOR



Makes gardening a pleasure. Complete with cultivator teeth plow and furrower. All metal parts are dipped in weather-proof and rust resistant paint. Price each, **$4.45.**

No. 1523 No. 1605

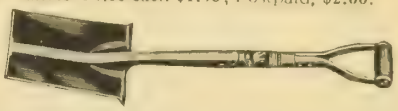
No. 1523 Gardex Cultivator, Weeder. Cultivate and weed with one tool. 4½" wide. Weeding blade 4" wide—without handle, **$1.75.**

No. 1605 Gardex Interchangeable Garden Cultivator.—5 prongs adjustable width ¾" to 7" —with 5 ft. normal length Gardex handle. **$1.95.**

DOO-KLIP GRASS SHEARS

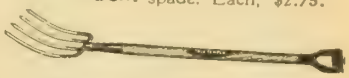
Long handle grass shear; does perfect trimming. Has only one handle. No extra levers to operate. The blades are made of case hardened, rust resisting steel. Easily opened for sharpening by removing one nut. Price, $3.50.

Short handle. Price each $1.95; Postpaid, $2.00.



SPADE. Razor Back. Rolled in backbone extending full length through blade frog and socket. Each, **$2.75.**

SHOVEL. Razor Back. Same construction as spade. Each, **$2.75.**



FORK. Lightweight Spading. True temper quality, handy for spading around shrubbery and perennials. Each, **$2.75.**

LAWN AND GREEN CULTIVATOR

For Home Lawns

No. 8T, 8 discs, each 10 inches in diameter, rolling width 16 inches. Net weight 32 lbs. Ideal for small lawns. Tray is provided so weight may be added. Soil aeration is essential to turf upkeep. Permits water penetration. Lawns can be kept beautiful during dry hot spells. Price, each, **$15.00.**

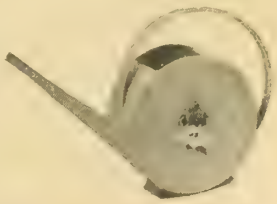
No. 30, 19 discs, each 10 inches in diameter, rolling width 18 inches. Net weight 100 lbs. Price each, **$42.00**

MASTERS HANDI-CART

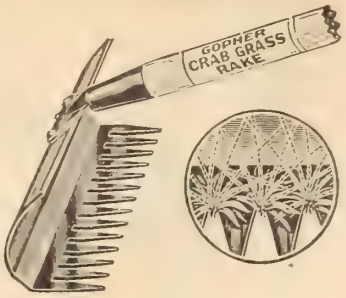
Replaces the old fashioned wheelbarrow for every purpose. Garden work really becomes a pleasure. Just dip it down and rake grass cuttings, leaves, earth or gravel into the cart. Can also mix cement right in the cart. No. 18-S, size of wheels 10 in. diameter. Extreme overall width of cart 20 in. Size hopper of body 26½ x 16 x 12½ in. Price each, **$9.75.**

No. 20-D, new Deluxe model with heavy tubular handle and rubber grips. Size of wheels 10 in. diameter. Extreme overall width of Cart 25 in. Size of hopper body 27½ x 21 x 13½ in. Price each, **$14.25.**

Decorative Watering Pot. Practical and handsome household aid for watering indoor plants. Also appropriate as container for floral bouquets and plants. Sturdily constructed of metal. Green, enameled with floral design. 2 qt. size price each, **$1.85**; postpaid, **$2.00.**



HANDY CRAB GRASS RAKE



This rake is formed so that the teeth pull flat on the sod; thus they get under the branches of the Crab Grass, shear off the entire head of the plants and keep them from further seeding. You can eliminate crab grass with this rake and not harm the other grasses; it will also pull out any weed that clings close to the ground. Each, **$1.75.**

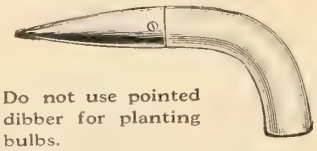
HOLE-IN-ONE PLANTING TOOL

Make a hole in one operation. Simply cut the tool into the soil, remove it with a twisting motion and with the tool comes a plug of soil, leaving a perfectly flat bottomed hole. Small, hand tool for cultivated soil. Each, **85c**; postpaid, **95c.**

Longhandle, each, $6.25.

DIBBER

For transplanting vegetable plants, steel point (weight 10 oz.). Each, **$1.35**; postpaid, **$1.45.**



Do not use pointed dibber for planting bulbs.

ALUMINUM GARDEN TROWEL

Made of all aluminum. One piece, heavy duty trowel, each **65c**; postpaid **75c.**

For transplanting, Aluminum, narrow, one piece. Each, **65c**; postpaid, **75c.**

STEEL GARDEN TROWEL

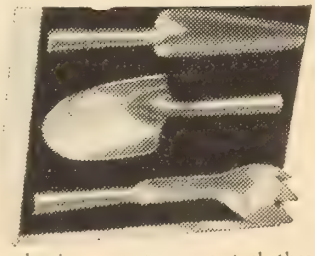
Made of high quality carbon steel with hard wood handle. Price each, **45c**; postpaid, **55c.**

All Steel Highest Quality. One piece steel shank. Price each, **$1.75**; postpaid, **$1.85.**

MELCO FEATHERLIGHT SET

Set of 3 for $3.95, postpaid $4.25.

Unpolished. Set, $2.30; postpaid, $2.50.



Made of cast aluminum as strong as steel, these tools are light as a feather, and moulded to fit your hand. They are absolutely rust-proof, and easily cleansed and polished, so they will be beautiful as well as useful as long as they last, which will be for many years. A large trowel, small transplanting trowel, and hand-fork for cultivating are included in the set of three.

METAL LAWN SIGNS

These attractive signs have raised letters, baked enamel finish for long attractive service. Have center holes for attaching to stakes. Size, 3¾x12 inches. Colors, green on white and black on white. Sign wordings—**Please-Seeded—Keep Off The Grass.** Signs with stakes, each, **50c**; six for **$2.70.**

SUNBEAM ELECTRIC HEDGE TRIMMER

A superior hedge trimmer, built and powered to do long tedious trimming jobs required of a professional gardener. Light in weight, sturdy construction, equipped with 10 ft. of cord and plug. Price, each, **$39.50.** Extra cord, 50 ft., **$4.00**; 100 ft., **$7.50.**

PORTER ONE-HAND PRUNER

This pruner is twin-cut professional, forged from tool steel. The pivot bolt cannot loosen in use, yet can be easily adjusted. Equipped with new concealed locking device. Instantly locks or unlocks the closed tool with the touch of the thumb. 9 inches, full polish, price, each, **$6.75**; postpaid, **$6.85.**

Henckel Imported Pruning Shears Highest Quality

8½ inch full polished with replaceable coil spring. Each, **$4.95**; 9½ inch, each, **$6.50**; 8½ inch, with brass springs, each, **$5.50.**

TELEPHONE TREE PRUNER

A strong rugged pruner with operating mechanism entirely in the pruner head. Head only, which can be fitted to any pole. Price, **$3.95.**

THE PORTER POINTCUT PRUNER

Designed for the fruit grower. Light in weight, 2½ lbs., 20 inches long. Easy to use in close places. **$8.40.**

No. 2—27 inches long, will cut branches up to 1½ inches in green wood. Each, **$9.40.**

No. 3—34 inches long for heavy pruning. Each, **$11.20**

BUCKEYE PRUNER

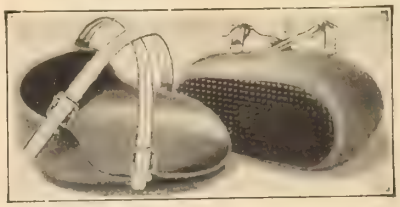
A strong rugged pruner, handles reinforced by strap iron. 20 inch, each, **$3.50**; postpaid, **$3.75**; 26 inch, **$3.75**; postpaid, **$4.00.**

Snap Cut Pruner. No. 908. Heavy duty, full polished, **$2.75**; postpaid, **$2.85.**

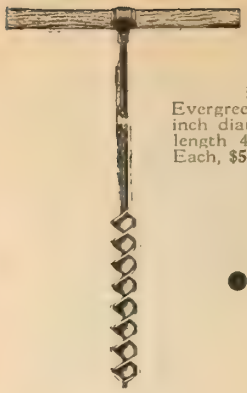
CLYDE TREE PRUNERS

6 ft., each	$3.65	10 ft., each	$4.85
8 ft., each	4.00	12 ft., each	5.25

KNEE PADS



All rubber cushion pads constructed of solid and sponge rubber with adjustable straps; fit any knee, will not slip down. Price, **$2.25**; postpaid, **$2.35.**



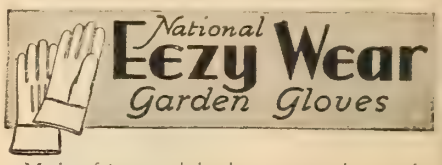
Greenlee Earth Auger

Especially adaptable for drilling holes for feeding fertilizer to trees and Evergreens. 2 inch diameter length 40 in. Each, **$5.75.**

New Improved Green Thumb Gloves. Soft, washable for garden and house use, small, medium and large. Specify size when ordering. Price per pair, **89c**; postpaid, **95c.**

BLUETTES GARDEN GLOVES

Neoprene coated elastic knit. Short fingers to fit every hand snug to the tips. Knit lining unlike old style rubber coated canvas gloves. In small, Medium and Large sizes. Price per pair, **$1.25**, postpaid. Specify size when ordering.



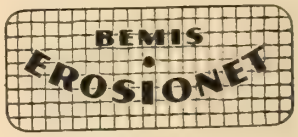
Made of imported leather processed to make it pliable as kid and washable. An ideal glove for men and women gardeners. Will outwear six cotton gloves. Sizes for women, "Small," "Medium," **$1.50**; for men, "Medium" and "Large". Price, **$1.65**, a pair postpaid.

Saxolin Duplex Crinkled Waterproof Tree Wrap

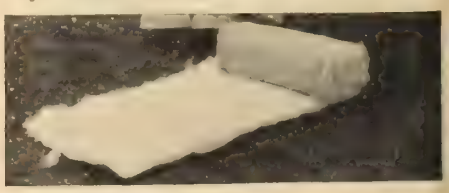
For covering the trunks of transplanted and newly set fruit and shade trees. Helps your stock to get off to a healthy start. Rolls, 4 inches wide, about 155 ft. to a roll. Weight, about 2½ lbs. Each, **90c**; postpaid, **$1.00**; doz., **$9.00.**

USE EROSIONET

For New Lawns, Weak Lawns, and Stubborn Terraces



Made of strong open mesh fabric, will hold your seed and sod firmly in place, prevents washouts, does not present an unsightly appearance, grass and clover soon rendering it almost invisible. Can be removed when grass becomes 2½ in. high. Width, 45 inches. Price per yd., **28c**; 25 yd. lots, **26c** per yd.; 100 yd. lots, **25c** per yd.; rolls of 250 yds., **24c** per yd.



Glass Wool Mulch. Has been proved superior for the winter protection of plants. A snowy white blanket composed of extremely fine glass fibres, put up in bats; 24" x 96" in size and approximately 1½ inches thick at 1½ lbs. per cubic foot density. Price, per bat, **$1.60**; three for **$4.50**; carton of 9, **$12.75.**

Vaughan's Wick-fed

METAL SEED STARTER

View of Wick-fed Starter with Plant Bands. Size, 12x18 inches, 4 inches high.

How wick is placed in bottom of starter.

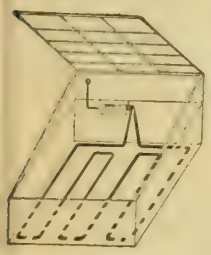
End view showing water pan below.

Complete, with Fibre Glass Wick, Plant Bands and Sphagnum Moss, For $2.95
(Wt., 7 lbs.) Prepaid to 3rd zone (600 miles) Add 35c for postage, if beyond 3rd zone.

This up-to-date metal seed starter must not be confused with the fragile, impractical pasteboard devices which have disappointed so many gardeners. This is full size "flat," made of 28 gauge steel, enameled green, which will last for years, and which you will be glad to have in your sun parlor or window.

It makes use of two of the most recent scientific developments in seed starting: **1.** Wick-feeding of water, which keeps the soil at just the right moisture, never drying out, never too wet, and never dripping dirty water from an overflow. **2.** The use of sphagnum moss to prevent damping off of seedlings, highly recommended by the U. S. D. A.

Complete instructions for operation are shipped with every order.



GRO-QUICK Electric Seed Bed Heater

Soil heating cable and thermostat. Jr. package contains thermostat and 40 ft. 200 watt cable for 3x6 ft. hot bed or 20 square ft. of cold frame. Price **$6.75.** Sr. package contains thermostat and 80 ft. 400 watt cable for 6x6 ft. hot bed or 40 square ft. of cold frame. Price **$9.00**; Jr. cable only price **$2.25**; Sr. cable only price **$4.50.**

VITAPANE

A flexible glass substitute; transparent all purpose window material, withstands wind snow and rain, allows more light, permits easy inspection. Put up in rolls 36 inches wide Price per 50 ft. roll, **$10.75**; ½ roll, **$5.75**; per yd., **85c.**

SEED FLATS-WOOD

Made from Cypress and Pine. Flats come knocked down. Put up in bundles of 10 flats.

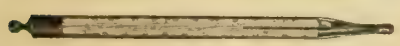
No. 3.-	21½x14x2-¾ in.	per bdl. of 10	$5.85
No. 3-A.-	21½x14x3-¾ "	" " " "	6.50
No. 4.-	24 x15x2-¾ "	" " " "	6.85
No. 4-A.-	24 x15x3-¾ "	" " " "	7.50

We do not break bundles.

CEL-O-GLASS

Will take the place of glass. Unbreakable and very light in weight. Properly installed Cel-O-Glass is guaranteed for five years. Will not break like glass or tear like cloth Flexible, easy to handle and install. 3 ft. wide. Per yard **$1.75**; 25 ft. roll **$10.65**; 100 ft. roll **$35.50.**

THERMOMETERS



Hotbed

Hotbed. All glass each, **$1.95**, postpaid.
Self-Registering. With magnet to set it, 8-inch, each, **$10.00**; registers highest and lowest temperature

Thermometers shipped by parcel post at purchaser's risk only.

HOTKAPS

These plant protectors mean larger, earlier, premium crops.

Protects plants from frost and other elements, matures crops earlier, keeps insects out, keeps soil soft. They are made of a specially prepared waxed paper and are cone-like in shape, measuring about 11 inches in diameter at the base and coming to a point at the top. When placed over the plants and held firmly in place by the soil around them, Hotkaps become individual miniature hothouses

Hotkap Setter. Will prove very helpful. This is a small steel cone, the exact shape of the Hotkap itself, with a handle at the top. The cost of the Hotkap setter is nominal and it can be used a lifetime

Prices: 1,000 lots, **$17.35**; 5,000 lots, **$17.20** per M, 10,000 lots, **$16.90** per M; 25,000 lots, **$16.75**; 250 Trial Package including Fibreboard Setter **$5.65**; 100 Home Package, including Fibreboard Setter, **$3.00.** Wt., 1,000 package HOTKAPS, 33 lbs.; 250 package, 10 lbs.; 100 package, 5 lbs.; Fibreboard Setter alone, **25c**; Steel Hotcap Setter, **$1.95.**

Special Trial Garden Packages 25 Hotkaps

Including setter. Package of 25 Hotkaps and cardboard setter **85c**, postpaid **95c**; package of 100, including fibreboard setter, **$3.00**, postpaid, **$3.00.**

Double Duty Plant Fountain Sprinkler

For sprinkling seedlings, plants and clothes. 8 oz capacity, price each **$1.25** postpaid

Streamlined Flower and Plant Boxes

All steel, leak-proof, made of 26 ga. steel. Finished in high lustre baked green enamel, 8 inches wide, 5¼ inches deep.

18 inch, price each, **$1.40**; 24 inch, price each, **$1.75**; 30 inch, price each, **$1.95**; 36 inch, price each, **$2.25**; Brackets for above, pair, **75c.**

MOIST-SHUR PLANTRAY

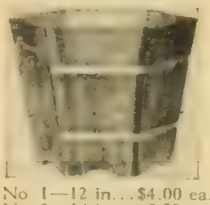
Green rubber unbreakable saucers. To be used under Jardiniers, vases or flower pots. Will protect pottery and furniture. Adds to the life of the plant. Has an absorbent center pad which feeds water back to the roots of the plant. Under-side of tray is raised to provide ventilation This preserves the furniture and prevents ring marks

No. 1, takes up to a 6 inch pot, price each, **35c**; per dozen, **$3.30.**

No. 2, takes up to 8 inch pot, price each, **60c**; per dozen, **$6.60.**

No. 3, takes up to 12 inch pot, price each, **$1.25**; per dozen, **$13.20.**

Beautiful California Plantubs Made of Redwood



For utility and beauty in any garden, impregnated with linseed oil to preserve natural beauty of wood. Rounded top and bottom edges to prevent splintering. Made of well seasoned California redwood. Bound with brass bands. Ventilation under tub. Grooved handles

No 1—12 in...$4.00 ea. No. 3—16 in...$7.00 ea
No. 2—14 in... 5.50 ea. No 4—18 in... 7.50 ea.
No. 5—20 in...$8.25 ea

PLANT BANDS

Made of waterproof, mildew resistant material. Will last a full growing season

30—2 in., per package, **35c**; postpaid, **45c.**

NEPONSET PAPER POTS (RED).

Made of waterproof paper, light, clean and unbreakable.

	Doz.	100	1000
2 -in.....	$0.25	$1.30	$ 8.25
2¼-in.....	.30	1.40	8.50
2½-in.....	.35	1.70	8.75
3 -in.....	.40	1.90	9.25
3½-in.....	.50	2.10	12.75
4 -in.....	.60	2.85	14.50
5 -in.....	.75	3.40	21.00
6 -in.....	.85	3.85	24.75

Write in for Prices on Hotbed Mats.

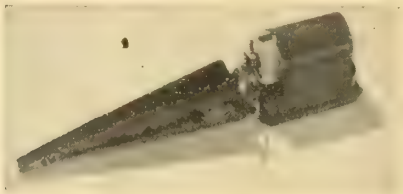
MOSS. MOSS Sphagnum. Burlapped bales. Ea., $4.50.

Subirrigating Window Box. Attractive metal indoor window box designed to apply water at plant roots. Finished in pale green to blend handsomely with plant colors. Length 27 in., width 5¼ in., height 6 in. Sturdy steel construction. Each, **$3.45.** Shipped by express only.

Sieves. For sifting soil 18 inches in diameter, all size mesh from ⅛ to ½ inch. Each, **$2.85.**

FLORALITE

A garden light that brings glowing beauty to the garden. Does not attract insects because of amber color. Height 24 in. plus 8 in. push-in-ground base. Complete with 15 ft. approved weather-proof cord. Each, **$5.00.**



VIBRA SEEDER

A battery operated flower and vegetable seeder for commercial and home gardeners—fits palm of hand—will sow row or flat in fraction of time normally required Operating cost one flashlight battery per season. A real time, labor and seed saver. Price each, **$2.25**, postpaid

NEW HANDY SEEDER

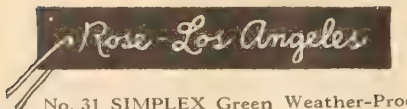
This little handy seeder will sow seeds up to size of sweet peas, scatters seed individually, prevents crowding and choking of seedlings, eliminates guess work because you can see each seed drop, no matter how fine. Saves time. Price, each, **75c**, postpaid.

GRAFTING WAX. Per ¼ lb. bar, **30c**; ½ lb bar **45c**; 1 lb. bar, **70c.**

SEED SOWER

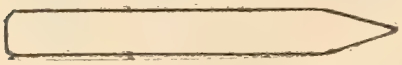
Cyclone. (New Improved Model.) An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Each, **$4.10.**

Labels, Plant Supports, Protectors



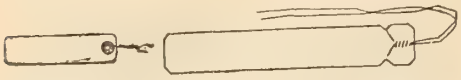
No. 31 SIMPLEX Green Weather-Proof Plant Labels. Price includes copper wires for attaching and stylus with orders for 100. No. 31, size, 3x½ inch, per doz., **45c**; per 100, **$2.95.**

LABELS—Wooden. For pots, painted.



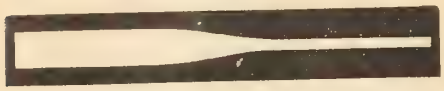
	100	1000		100	1000
4-inch....	$0.65	$3.75	12-inch ..	$2.10	$18.50
6-inch....	.80	4.75			

Tree, Labels Wired. 3½ in. 100, **75c**; 1000, **$4.75.**

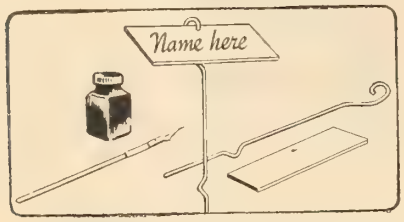


LABELS. Zinc, Tree. Wired 3¾ inches long ¾ inch wide. Price, per doz., **35c**; 100, **$2.25.**

Perma Label Zinc—New Improved Type



Same as illustrated above. These labels do not have hole. They can be tied around twig or limb with one loop. Made of soft zinc, should last permanently. Price, per 100, **$1.35**; 500 for **$6.00.**



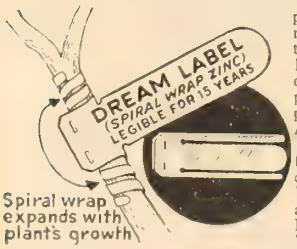
RAINBOW Garden Label

is a weather-proof label of masonite, ⅛ inch thick, 1½ x 3 inches, ⅛-in. thick, coated with aluminum based waterproof paint. It is held at the right tilt to be legible from standing position, on 9 inch metal stake with swan-neck locking curve. Kit of 10 markers with ink and marking pen, **$1.00**; postpaid, **$1.10.** 14 inch stake kit of 12, complete **$1.25**; postpaid **$1.40.** 18 inch kit of 24, complete **$2.50**; postpaid **$2.65.**

VAUGHAN'S TRANSPARENT PERMANENT PLASTIC LABEL

Made of the plastic "styrene," which is as transparent as glass, but unbreakable, and weather proof, this label is provided with a tilted plaque, easily read from above, on which the name is written in a scriptor red marking pencil. Small size, overall height 6 inches, plaque 2x4 in., doz., **$1.80**; 100, **$13.50.** Large size, overall length 12½ in., plaque 4x8 in., doz. **$2.70**; 100, **$20.00.** Scriptor red pencil, **20c.**

DREAM SPIRAL WRAP ZINC LABELS



The one and only permanent zinc metal label defying the elements. Size 1¼" x 4". Acid etched name and plant history (especially Roses, Azaleas, Shrubs, Trees, etc.) legible for 15 yrs. No chance of girdling. Wonderful for pots and perennial beds. Never rusts.

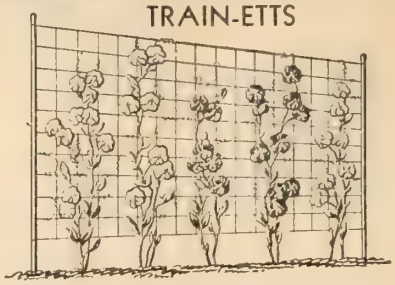
"Kit" size (average garden size) contains 24 Labels, with ample Etchant ink and applicator @ **$1.00** ea

"50 UNIT" size (for 50' x 100' premises) contains 50 Labels, Etchant and applicator @ **$1.75** ea

"100 UNIT" size contains 100 Labels but NO Etchant or applicator @ **$2.75** ea

"1000 UNIT" size for Estates, Orchards, Parks, and Cemeteries with large bottle of Etchant and applicator @ **$24.00** ea

TRAIN-ETTS



New weatherized trellis netting. Ideal support for Sweet Peas, Morning Glories or any of the light climbing vines. Made in three sizes. No. 1, 60x72 in., **65c**, each, postpaid, **70c.** No. 2, 60x96 in., **85c**, each, postpaid, **90c.** No. 3, 60x180 in. **$1.25**, each, postpaid, **$1.35.**

TWISTEMS

New handy plant tie. A twist of the wrist and a plant is tied. They are dark green so they blend with the foliage. No twine, raffia or shears needed. Handy for tying tomatoes, peonies, dahlias, etc. 8-in. size, price per package of 100, **25c**; postpaid **30c.** 16-in. size, price per pkg. of 100, **50c**; postpaid, **60c.** 16-in. size, price per bundle of 250, **$1.25**; postpaid, **$1.35.** 250 ft. continuous roll, **$1.00**; postpaid, **$1.15.**

STAKES

STAKES—HEAVY TONKIN. Natural Color.

Heavy weight bamboo, entire stake same weight; do not taper. Ideal for roses, dahlias, young trees, etc. Will last a lifetime. F.O.B. N. Y. F.O.B. Chicago.

Length	Diameter	Doz.	100	Doz.	100
4 ft....	½ to ⅝ inch	$1.75	$11.00	$2.00	$11.50
5 ft....	⅝ to ¾ inch	2.20	12.25	2.50	13.00
6 ft....	⅝ to ¾ inch	2.50	14.00	2.75	15.00
8 ft....	⅝ to ¾ inch	2.75	16.00	3.00	16.75

STAKES—WOODEN. Painted Green.

Heavy Grade (for Dahlias). Per doz. Per 100

3 ft.	$1.75	$12.00
4 ft.	2.15	15.00
5 ft.	2.75	18.50
6 ft.	3.25	22.50

Light Grade (for smaller plants).

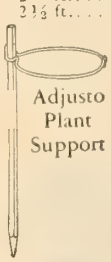
	Per doz.	100		Per doz.	
1½ ft....	$0.50	$3.25	3½ ft...	$1.35	$12.00
2 ft....	.65	4.85	4 ft...	1.75	14.25
2½ ft....	1.00	6.50	5 ft...	2.45	17.50
3 ft....	1.20	8.85			

STAKES—BAMBOO. Painted Green.

	100	1000		100	1000
1½ ft....	$1.35	$6.50	3 ft...	$1.95	$12.25
2 ft....	1.50	8.50	3½ ft...	2.35	14.25
2½ ft....	1.75	9.95	4 ft...	2.50	15.95
Bamboo not painted, 6 ft.				3.25	27.50

STAKES—Galvanized Wire.

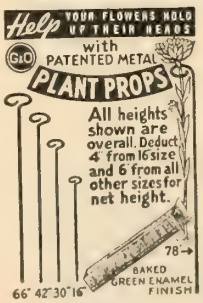
No. 9 Wire	Doz.	100	No. 8 Wire	Doz.	100
1½ ft....	$0.50	$2.50	3½ ft....	$0.85	$4.75
2 ft....	.60	2.75	6 ft....	1.35	7.25
2½ ft....	.70	3.25			



Adjusto Plant Support

Has a unique self-locking adjustable feature causing the hoop to positively stay where put, yet it can be instantly adjusted to any height desired. The heavy green painted wood stake ⅞ inch square will stand firmly in the ground. The hoop is of 8 gauge galvanized wire, 13 inches in diameter, and may be opened up to put around large plants. 3 ft., doz., **$4.45**; 4 ft., doz., **$5.25**; 5 ft., doz., **$5.85**; extra wire hoops, doz., **$2.25.**

PLANT PROPS



16" size stuck into ground 2½" for tulips, Hyacinths, Crocuses and other dwarf plants. 30" size (4" into ground) for Zinnias, Marigolds, Roses, etc

42" size (5" into ground) for "Snaps", Delphiniums, Asters, Larkspur, Madonna lillies, etc

66" size (6" into ground) for Giant Delphiniums, "Glads", Mums, etc

78" size (7" into ground) for Dahlias, Hollyhocks, Rose Trees. Similar use for vegetable gardens, young trees, etc

Processed stiff steel of varying thicknesses to suit a surplus of weight. Termite and rot proof. Almost invisible blending with plant. Prices on all sizes (overall) by the dozen—16" @ **65c**, 30" @ **$1.35**, 42" @ **$1.60**, 66" @ **$2.65**, 78" @ **$3.85.**

Extension Trellis or Fence, painted white. Stretches and contracts, it is inexpensive. Has many uses for trellis or fencing. Bends easily around corners, and folds when not in use. No. 22-8, can be expanded from 3 to 9 ft. long, from 15 to 29 in. high, weight, 3½ lbs., each **$2.85.** No. 30-10 can be expanded from 3 to 14 ft. long, from 15 to 39 in. high, weight 4½ lbs., each, **$3.40.** No. 44-12 can be expanded from 3 to 16½ ft. long, from 15 to 59 in. high, weight 8 lbs., each, **$6.25.**

Ornamental Lawn Fans

Most popular and inexpensive. Are most substantially built in natural wood finish.

No. 106—Height, 72 in. Spread, 42 in. Price, each, **$2.25.**

No. 108—Height, 96 in. Spread, 60 in. Price, each, **$3.00.**

Wayward Vine Guide and Support

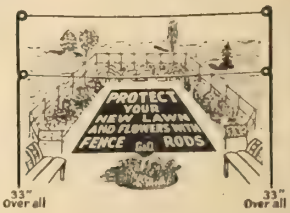
For Training and Supporting Ivy, Small Fruiting Trees and all other Vines, etc. on Brick, Stucco, Stone and Cement Walls without Defacing. No Nails—No Holes. Price, box of 25, including cement, **$1.00**; postpaid, **$1.10.**

METAL WICKET SHIELD

Green enameled sturdy steel shields that protect shrubs, lawns, garden borders, trees, etc. Inconspicuous because color blends with foliage. No prongs to tear. Twelve Wickets overlapped 2" makes a practical "Keep Off Please" fence about 12' long.

Price per dozen **$2.00.** Carton of six dozen, **$10.80.**

PROTECTION FENCE RODS



Stiff hardened ¼" dia Steel Rods green enameled with two "eyes" to support two rows of clothes line, heavy twine, or wire. No prongs to damage anything. Handy and safe protection to lawns, trees, shrubs, and gardens against humans and pets. Also very popular for "cradling" peonies, tomatoes, and bushy plants

33" (overall) size @ **$1.85** per doz.

48" (overall) size @ **2.30** per doz.

SHRUB-GARD

An invention that protects your shrubbery from the menace of destructive corrosive action caused by dogs. Makes the dog's visit so uncomfortable that he keeps away, yet it is so constructed that it will not harm the dog. The Shrub Gard is a unit of steel spring wires that are flexible and will not tear clothing of passersby. Each Shrub Gard has three prongs and covers approximately two and one half lineal feet. Harmless to dogs or humans. Packed one dozen to a carton. Weight 2½ lbs. Price per carton of dozen, **$3.00**; postpaid, **$3.25.**

WREN HOUSE No. 16

This time tested stepkut house is designed to meet the needs of birds, the steps help nestlings to reach the exit, bottom removable for cleaning. Price, stained brown, each, $2.40; Postpaid, $2.55

Blue Bird House No. 5 similar to the above, stained brown. $1.80; Postpaid $1.95.

MARTIN HOUSE No. X215

Twenty compartment unpainted, $21.90. house, two stories high. Painted two coats in white and green, $27.00.

No. X315. Twenty-eight compartment house, three stories high, unpainted, $27.00. Painted two coats white and green, $31.30. Crating charge, $1.00 extra.

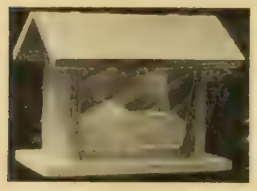
Erection pole for Martin House, $15.00.

No. FS 21. Garden Craft Feeding Station

This is one of the most successful and appreciated bird feeders. It is equipped with a spindle for mounting, and the double weather vane keeps the sheltered end headed into the wind, thus keeping the food dry in rainy or snowy weather.

Size 24x12x12. Shipping weight 16 lbs.

Price stained brown.....$ 9.30
Price stained with glass back.....12.30
Erection Post bored for mounting rod..... 2.75



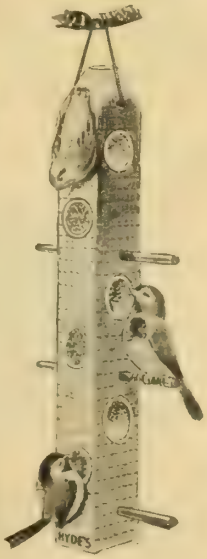
Dandy Denny Bird Feeder, made of clear California Redwood and entirely fastened with solid brass hardware and screws. Price each, $4.95, postpaid, $5.35.

No. FS. 10. Garden Craft Bird Feeder

This cleverly constructed feeder will provide endless pleasure and satisfaction for bird lovers. You will be more than repaid for your generosity in providing food for your feathered friends during the early spring, late fall and winter, by their appreciation. Size 8x3x10 in. Shipping weight, 3 lbs. Price, $2.70; postpaid, $2.85.

Erection pole with arm.. ...$1.60. (Not mailable).

Robin Roost No. 4
Robins will not occupy a nesting box, but insist on a covered sheltered shelf which allows them to see on at least three sides. Stained brown — each $2.70; Postpaid $2.85; 3 for 7.80. By express.



Community Diner, Aerial Picnic Grounds for clinging and perching birds. No. CDD filled, each, $1.75, postpaid, $1.90. No. CDE filled with 24 extra tid bits each, $2.80, postpaid, $3.00.

AUTOMATIC BIRD FEEDERS

An economical feeder for all kinds of seeds, cracked corn or other small food.

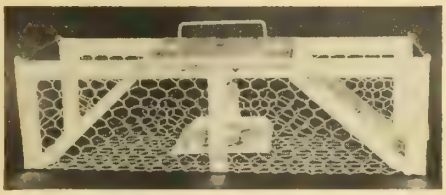
If filled with sunflower seeds, it unfailingly attracts Cardinals, rose-breasted Grosbeaks, Finches and many other large as well as small pretty birds all year around.

Birds enjoy swinging with the feeder. Each, $3.00; postpaid $3.15; 3 for $8.50.

ORNAMENTAL BIRD BATH

The ornamental frame is in wrought iron finish, the bowl has an aluminum finish. The bath stands about 30 inches above the ground and the bowl is 16 inches in diameter. A child or animal can hardly be hurt by the tipping of this light bird bath. It takes less than a minute to assemble. This bird bath weighs only 9 lbs. Price each, $4.75. Postage extra

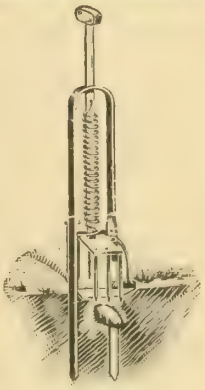
HAVAHART ANIMAL TRAPS



No. 1 — 5x5x18 in. For weasles, rats and chipmunks, each, $3.50.

No. 2—7x7x24 in. For muskrats, mink, squirrels and rabbits, each, $4.50.

No. 200 REDDICK MOLE TRAP



Self setting, Trigger sets automatically. Needle sharp tines Sturdy construction. Each, $1.95; postpaid, $2.10.

RODENT ROCKETS

...THE EASY WAY!

Novel, Rodent Rockets effective destroyers; strike like a match and blitz out whole families of gophers, moles, rats, field mice, ants, etc., at one "shot." Safe, sure, efficient aids to hunters in "un-treeing" holed-up woodchucks, raccoons, etc. 3 for 40c; dozen, $1.50.

PEST EXTERMINATORS

Ant-X-Trap. Deaths to Ants in the house or garden This safety type container carries a multi bait attractive to both the sweet and grease eating type ants. This bait kills the ants in the nest. Price, 25c; six for $1.25.

Ant-X Jelly Bait. Kills quickly. This jelly controls sweet and grease eating ants It will also kill ants in the nest. 1 oz., 35c; 4-oz. tube, $1.00; Industrial size, 5-lb. pail, $15.00.

Dog-Check. The ideal repellent as a means of checking doggie habits. Safe and harmless to use. New formula will permit spraying on new growth Unaffected by rain, one spraying lasts from two to three weeks. 3-oz size, 60c; 8-oz. size, $1.00; 32-oz. size, $3.00; gallon, $11.50.

Rat-Nots. Safe way to exterminate rats. Prepared Bait, containing Squill. Can be used without fear of harming humans, dogs, live stock, etc. Trial size package of 9 Nots, 25c; Estate size, 50 Nots, $1.00.

Mouse-Nots. Impregnated seed; pregnated seed bait kills mice. Trial size package, 9 Nots, 25c; Estate size, 50 Nots, $1.00.

Mole Nots. Lifesavers for lawns, bulb and seed beds. Trial size, 8 Nots, 35c; Estate size, 50 Nots, $1.00; Jumbo size, 125 Nots, $2.00; Gardener size, 400 Nots $5.00; Giant size, 1,000 Nots $10.00.

Roach-Nots. Semi-toxic insecticide in prepared bait form. Very effective in controlling Roaches. Trial size, 9 Nots, 25c; Estate size, 50 Nots $1.00.

Antu Rat Paste. Contains 5% Antu. Is mixed ready to apply on bait. 1 oz. tube, 35c; postpaid, 45c; 4 oz. tube, $1.00; postpaid, $1.10.

Rabbit Repellent

With safety to all including the rabbits. This 200 mesh fine snuff-like product is impregnated with rain resistant repelling "naturals" to make it last. 5 lb. package will treat 100 to 150 individual plants or 200 to 250 running feet of plant row. Price 1 lb. pkg. 45c, postpaid 60c; 5 lb. bag $1.50, postpaid 1.85.

Chaperone Powder Dog Repellent

A new household dog repellent for keeping dogs off rugs and furniture. Odorless to humans and does not stain, but is very repulsive to dogs. 1 oz. tin, 50c; large size, $1.00.

Chaperone Liquid Dog Repellent

For outdoor and garden use. Keeps dogs away longer from trees, shrubs and plants than most liquid repellents. 4 oz. bottle, 50c; 18 oz. can, $1.00.

Kitty Chaperone

Powder repellent for household use keeps cats away from furniture, curtains, drapes, clothing, etc. 1 oz. cone, 50c; 8 oz. cone, $1.00.

Vaughan's Fancy Grasses and Field Seeds

For Lawn Seed Mixtures, See Page 7. All Prices Prepaid, Except where Specifically Noted.
All Grasses and Field Seed Prices Are Subject to Change Without Notice.

Fancy Kentucky Blue Grass

POA PRATENSIS

Extra Heavy Sun-Cured Seed. 98% pure seed. Price, ½ lb., 70c; 1 lb., $1.30; 2 lbs., $2.60; 3 lbs., $3.85; 5 lbs., $6.35; 10 lbs., $12.50; 15 lbs., $18.65; 20 lbs., $24.75; 25 lbs., $30.75; 50 lbs., $60.00.

Fancy Seed, actual weight, 21 lbs. per bu. (Standard grade of recleaned blue grass.) Price, ½ lb., 60c; 1 lb., $1.10; 2 lbs., $2.20; 3 lbs., $3.25; 5 lbs., $5.35; 10 lbs., $10.50; 15 lbs., $15.65; 20 lbs., $20.75; 25 lbs., $25.75; 50 lbs., $50.00.

CANADA BLUE GRASS (Poa compressa)

Valuable on poor soils and clay. It does not make so dense a growth as the Kentucky Blue Grass, and color is not so pleasing. Used particularly for pastures. Sow 40 to 60 lbs. per acre for pasture; in Fall or Spring. Price, 1 lb., $1.10; 5 lbs., $5.35; 10 lbs., $10.00; 25 lbs., $25.75.

RED TOP GRASS (Agrostis alba)

Extra Fancy, recleaned solid seed. Price, ½ lb., 55c; 1 lb., $1.00; 2 lbs., $2.00; 3 lbs., $2.95; 5 lbs., $4.85; 10 lbs., $9.50; 15 lbs., $14.15; 25 lbs., $23.25; 50 lbs., $45.00.

WHITE CLOVER

Extra Fancy Seed. Price, ¼ lb., 45c; ½ lb., 85c; 1 lb., $1.60; 2 lbs., $3.20; 3 lbs., $4.75; 5 lbs., $7.75; 10 lbs., $15.25; 15 lbs., $22.50; 20 lbs., $29.40; 25 lbs., $35.75.

LADINO CLOVER

Price, ½ lb., $1.35; 1 lb., $2.50; 3 lbs., $7.35; 5 lbs., $11.25; 10 lbs., $22.00; 25 lbs., $50.00.

Rye Grasses

Use all rye grasses at the rate of 30 to 40 lbs. per acre for pastures and 5 to 7 lbs. per 1000 sq. ft. for lawns. Sow either fall or spring.

English or Perennial Rye Grass (Lolium perenne). A lawn grass where quick results are wanted. Price, 1 lb., 40c; 2 lbs., 80c; 3 lbs., $1.15; 5 lbs., $1.85; 10 lbs., $3.50; 15 lbs., $5.15; 20 lbs., $6.70; 25 lbs., $8.25; 50 lbs., $16.00; 100 lbs., $30.00.

Common Rye Grass. The Italian type of rye grass, grown in this country. An annual, generally lasting a second year. Develops rapidly. Used in the south for Winter lawn grass. Sow in October in the south, preferably Spring in the north. Price, 1 lb., 30c; 2 lbs., 60c; 3 lbs., 85c; 5 lbs., $1.35; 10 lbs., $2.50; 15 lbs., $3.65; 25 lbs., $5.75; 50 lbs., $10.00.

Write for Complete Price List of Field Seeds and Hybrid Field Corn or let us know your requirements and we will be glad to quote special quantity prices.

Fescues

Chewing's Fescue. This grass is valuable on sandy soils and in shade. Chewing's Fescue is a perennial with a fine blade and a spreading root system. Sow either Spring or Fall (last week in August or the first week in September) at the rate of 5 lbs. to 1,000 sq. ft. Price, 1 lb., $1.15; 2 lbs., $2.30; 3 lbs., $3.40; 5 lbs., $5.60; 10 lbs., $11.00; 15 lbs., $16.40; 20 lbs., $21.75; 25 lbs., $27.00; 50 lbs., $53.50.

Creeping Red Fescue. One of the best fescues obtainable, it spreads from the roots, making a dense turf which tends to crowd out weeds. Does well in shade and is good on sandy soil. Price, 1 lb., $1.20; 2 lbs., $2.40 3 lbs., $3.55; 5 lbs., $5.85; 10 lbs., $11.00; 15 lbs., $17.15; 20 lbs., $22.75; 25 lbs., $28.25; 50 lbs., $55.00.

Alta Fescue. This recent development has a very deep root system and is drought resistant. It stands up under traffic and though coarse is excellent for athletic fields, airports, roadsides, playgrounds and lawns where there is heavy traffic. 1 lb., $1.15; 5 lbs., $5.60; 10 lbs., $11.00; 25 lbs., $26.00.

Poa trivialis (Rough Blue Grass)

A grass for moist, shady spots. ½ lb., 60c; 1 lb., $1.15; 2 lbs., $2.30; 3 lbs., $3.40; 5 lbs., $5.60; 10 lbs., $11.00; 15 lbs., $16.40; 20 lbs., $21.75; 25 lbs., $27.00; 50 lbs., $52.50.

Miscellaneous

Timothy (Phleum pratense). Most popular of all hay grasses. Vaughan's Fancy seed (99.5% pure or better). Price, 1 lb., 40c; 2 lbs., 80c; 3 lbs., $1.10; 5 lbs. $1.50—Postpaid. By Freight collect, ½ bu., $5.00: 1 bu., $9.00; (45 lbs.); 100 lbs., $20.00 Grain bags included.

BIRD SEED

RAPE Large—sweet (not bitter like the small black). 1 lb., 40c. 5 lbs., $1.70; 10 lbs., $3.15; 25 lbs., $6.50.

SUNFLOWER. 1 lb., 45c; 5 lbs., $1.95; 10 lbs., $3.65; 25 lbs., $7.70.

CANARY SEED. 1 lb., 40c; 5 lbs., $1.70; 10 lbs., $3.15; 25 lbs., $6.95.

VAUGHAN'S CANARY MIXTURE. 1 lb., 40c; 5 lbs., $1.70; 10 lbs., $3.15; 25 lbs., $6.95.

FINCH SEED. 1 lb., 35c; 5 lbs., $1.40; 10 lbs., $2.60.

PARRAKEET SEED. 1 lb., 40c; 5 lbs., $1.70; 10 lbs., $3.15; 25 lbs., $6.95.

VAUGHAN'S WILD BIRD FEEDING MIXTURE. (as recommended by the Illinois Audubon Society). 1 lb., 30c; 2 lbs., 50c; 5 lbs., $1.00; 10 lbs., $1.80; 25 lbs., $4.10; 100 lbs., $12.00.

All Prices Prepaid.

Let us help you solve your lawn and golf grass problems. Advice gladly given on handling fertilizer problems, and combating insect and disease attacks.

THE SUDBURY HOME GARDENER'S SOIL TEST KIT

This simple, practical, easy-to-use kit is your best insurance of gardening success. Made by the maker of professional field test kits used by nurserymen, growers and greenkeepers throughout the country. Tests for nitrogen, phosphorus, potash and acidity. It will make at least three separate tests for each element. No technical skill required. Results of tests are apparent immediately. The Sudbury Home Gardener's Soil Test Kit, complete with instructions. **$2.50**; postpaid, **$2.60**.

Testing Fluid for Refill—Specify whether for nitrogen, phosphorus, potash, or acidity. When ordering the above, it requires No. 2 and No. 3 to make Nitrogen Tests, No. 4 and No. 5 for Phosphorus Tests and No. 6 and No. 7 to make Potash Tests, therefore when ordering, please order two numbers. 2 oz., **$1.00**; 6 oz., **$2.00**, both postpaid.

NEW CLUB MODEL KIT

An advanced amateur, or a garden club, 4-H, club or neighborhood group, will find this larger kit invaluable. It is housed in an attractive case of imitation leather and contains sufficient material for many accurate tests, **$4.75**; Postpaid **$5.00**.

HORTICULTURAL TEST KIT

Where a large number of soil tests will be made, this kit will save you money. It contains material sufficient to make 60 individual tests, together with complete instructions and table of plant needs. Sudbury Horticultural Soil Test Kit, **$12.50**.

SOIL SUBSTITUTE FOR STARTING PLANTS—"TERRALITE"

Terralite is a prepared form of vermiculite, cleansed of all impurities which might injure plants, and of the correct sizes for horticultural use. This remarkable material has proved to give almost magical results as a substitute for soil in starting seeds and rooting cuttings.

In addition to being an unsurpassed medium for started seeds and rooting cuttings, Terralite is effective as a soil conditioner, to lighten heavy clay soil, make it porous. It also makes an excellent mulch to prevent soil from drying out unduly in hot, dry weather; and when mixed with soil in which trees and shrubs are planted it helps hold moisture, and protects the plants from injury from drouth.

Prices, ½ peck bag, **40c**; postpaid **50c** ½ bushel bag, **90c**; 2 bushel bag, **$1.95**. All shipped by express, charges collect.

IMPORTED RAFFIA

Add postage to your order if to go by mail.

The Raffia which we import is the finest grade to be obtained. Besides the natural shade, we have it in 12 different colors: dark red, Irish-green, olive-green, pea-green, navy-blue, seal-brown, orange, black, old gold, pink, purple, and bright red.

Raffia Fibre for Baskets, Etc. 5-lb. Lots

		Bunch	Lb.	Per Lb.
Natural, Best Grade, about 2 oz.		**$0.20**	**$0.95**	**$0.90**
Colored, about 1 oz.		.20	1.30	1.25

Reflecto Figures. 3 inch, gleaming, weatherproof, plastic figures reflect light from any angle. Gleam brightly at night, stand out clearly by day. Price per figure **40c**. Standard panels for putting figures on, 6 to 15 inches, **60c** each, 20 inch, **70c** each. Postage for two to five figures, **15c** extra.

Vaughan's Irises

IRIS—Golden Majesty

PLANTS BY PARCEL POST—If to be sent by parcel post, add postage as follows: 3 to 6 plants, 1 lb., 10 to 15 plants, 2 lb. We accept no responsibility for delays or conditions that may prove injurious to the contents.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals.

Iris is the most effective if planted 3 of a kind in a clump.

OUTSTANDING VARIETIES

CALIFORNIA GOLD. 36 in. Fine, non-fading flowers of dazzling, deep golden yellow. **40c; 3, $1.00.**

CHINA MAID. 48 in. Intriguing blend of pink, copper and soft lilac. Fine large flowers. **75c.**

CITY OF LINCOLN. 40 in. A vivid bicolor: S. clear yellow; F. flaring, rich velvety red. **50c.**

COPPER LUSTRE. 36 in. Huge flowers of glowing copper and gold with iridescent sheen. **50c.**

CRYSTAL BEAUTY. 40 in. Perfectly shaped flowers of pure snow white. **40c; 3 for $1.00.**

ELSA SASS. 38 in. Exquisite, ruffled flowers that are the color of lemon-ice. **50c; 3, $1.25.**

ETHELWYN DUBUAR. 38 in. Fine large flowers of deep pink. **40c; 3 for $1.50.**

GARDEN FLAME. 34 in. A large, richly colored Iris of deep rose-mahogany. **$1.00; 3 for $2.50.**

GARDEN MAGIC. 44 in. Large flowers of deep, smooth, very dark velvety red self. **75c.**

LOS ANGELES. 40 in. Giant snowy-white, the standards faintly edged blue. **40c; 3 for $1.00.**

MING YELLOW. 50 in. Gigantic blooms of rich, deep velvety yellow. Strong grower. **75c; 3, $2.00.**

MISSOURI. 36 in. Clear vivid blue with semi-flaring falls. One of our best Iris. **50c; 3 for $1.25.**

NARANJA. 40 in. Deep yellow with an orangy overcast on the falls. **40c; 3 for $1.00.**

PINK SATIN. 42 in. Fine flowers of delicate glistening pink. **40c; 3 for $1.00.**

PRAIRIE SUNSET. A gorgeous blend of peach, apricot, rose, copper and gold. **$1.00.**

SABLE. 40 in. An almost perfectly black Iris with a lustrous, silky sheen. **$1.00; 3 for $2.50.**

SNOW FLURRY. 40 in. Beautifully ruffled flowers of pure icy white, very faintly tinged with blue. **$1.25; 3 for $3.00.**

SPUN GOLD. 38 in. A gorgeous deep pure golden yellow self with a velvety lustre. **$1.00.**

TIFFANY. 36 in. A sensational plicata creation of creamy yellow gaily stitched and dotted with burnished rosy bronze. **50c; 3 for $1.25.**

THE RED DOUGLAS. 40 in. Vibrant red-purple, gorgeously rich in color. Excellent. **75c.**

DE LUXE IRIS COLLECTION. One each of Garden Flame, Prairie Sunset, Sable, Snow Flurry and Spun Gold (value $5.25) for **$3.95.** (Add postage for 1 lb.)

Ten Iris Aristocrats $3.00

Catalogue Value $4.90 (Postage Additional for 2 lb.)

These are among the finest Irises in cultivation. Each is rated close to perfection and not long ago not one could have been purchased for the price of the collection. Your Iris display is lacking if you have not these varieties; and our low prices make it possible to own them for less than the cost of ordinary plants

E. B. WILLIAMSON. 36 in. An excellent Iris of rich, glowing coppery-red, almost a self, with a silky, lustrous finish. **40c; 3 for $1.00.**

GOLDEN MAJESTY. 42 in. Truly superb, "tops" in its color class. The large flowers of thick substance and flaring falls are a gleaming, deep, pure yellow self which does not fade. **50c.**

GUDRUN. 36 in. Enormous, well shaped flowers of lovely pure white, dusted with soft gold at the throat. Early. **40c; 3 for $1.00.**

INDIAN HILLS. 37 in. A stunning Iris of clear rich wine purple. Its large blooms are of good substance and fine, oval form. They have great carrying power and make a glorious mass of color in the garden. **40c; 3 for $1.00.**

MOROCCO ROSE. 38 in. S. lustrous pale pink, flushed deeper; F. deep rosalene pink, long and flaring. A beautiful creation. **60c; 3 for $1.50.**

ORMOHR. 40 in. The gigantic flowers are a soft gray-lavender veined violet with a rosy glow over all **50c; 3 for $1.25.**

RADIANT. 34 in. S. brilliant burnished orange; F. glowing coppery red Color so vivid and intense it attracts immediate attention. **50c; 3 for $1.25.**

STARDOM. 34 in. Unusual in its blending of coppery-pink and apricot-buff. The luscious color is sure to please you. Free bloomer. **60c; 3 for $1.50.**

VAGABOND PRINCE. 36 in. Glossy deep black purple self on well branched stalks. **50c; 3 for $1.25.**

WABASH. 39 in. S. snowy white; F. deep hyacinth violet with a definate white edge. Has wonderful substance and orchid-like beauty. Voted by the Iris experts in 1940, 1941 and again in 1942 as the best Iris in commerce at that time. **50c; 3 for $1.25.**

Ask for our "Complete List of Iris", ready in June. Complete list of Peonies will be found in our Fall Bulb Catalog, ready about Sept. 1st.

IRIS KAEMPFERI

Price, each 75c; 3 of one kind for $2.00.

GOLD BOUND. Double. White with gold-banded center. Early.

MAHOGANY. Large double flowers of velvety mahogany red. Late.

PURPLE AND GOLD. An enormous double of rich violet-purple with gold center.

SPECIAL OFFER NO. 89-1A. One each of above 3 named Kaempferi Irises (value $2.25) for **$1.85.** (Postage additional for 2 lb.).

Peonies

EDULIS SUPERBA. (7.6) The large flowers of beautiful deep pink are usually in bloom for Decoration Day. Very fragrant. **$1.00.**

GROVER CLEVELAND. (8.2) Large, compact flowers of rich bright crimson on stiff stems; foliage excellent. A desirable late midseason red. **$1.00.**

MAD. DE VERNEVILLE. (7.9) Very full and double, pure white, center tinted blush. Exquisite rose fragrance. Very beautiful reliable bloomer; early. **$1.00.**

SPECIAL OFFER NO. 89-1B. One each of the above 3 Peonies (value $3.00) for **$2.50;** postage additional for 3 lb.

CLAIRE DUBOIS. (8.7) Very large, double, globular flowers; color rich clear satiny pink with glossy reflex. Late midseason. **$1.00.**

FELIX CROUSSE. (8.4) Its large, globular flowers are a brilliant, dazzling ruby-red Late midseason. **$1.00.**

FRANCES WILLARD. (9.1). Very large, cup-shaped blooms of exquisite blush-white, with occasional carmine touch. Late midseason **$1.00.**

GOLD MINE. (8.2) (Oriental Peony). Cup-shaped flowers of dark rose-pink with deep golden center. Profuse bloomer. **$1.00.**

KARL ROSEFIELD. (8.8). Huge ball-like flower of rich velvety crimson. Very brilliant and striking. One of our best Peonies. Early midseason. **$1.00.**

MARY BRAND. (8.7) Vivid crimson of large size. Flowers last a long time and hold their color in the sun. An excellent midseason variety. **$1.50.**

MONS. JULES ELIE. (9.2) An immense ball-like flower of glistening lilac-pink. One of the most beautiful of all Peonies. Early; fragrant. **$1.50.**

REINE HORTENSE. (8.7) Very large flowers of beautiful uniform light pink. A prize winner at the shows. Midseason. **$1.00.**

SARAH BERNHARDT. A prolific bloomer of beautiful dark rose-pink flowers on tall stems. An extra fine cut-flower and show variety. **$1.25.**

SPECIAL OFFER NO. 89-1C. One each Frances Willard, Karl Rosefield, Reine Hortense and Sarah Bernhardt (value $4.25) for **$3.50.** (Postage additional for 5 lbs.)

Small Fruits

All Prices F.O.B. Western Springs, Ill. (If wanted by mail, add postage, approximate weight 10 plants, 5 lb.; 25 plants, 10 lb.; 50 plants, 20 lbs.

BLUEBERRIES—See page 92.

BOYSENBERRY

(THORNLESS). Sensational new fruit. Huge berries of rich purplish maroon. Very sweet; delicious flavor; few seeds. Price No. 1 transplants, 3 for **$1.25;** 10 for **$2.75;** 25 for **$6.25.**

RASPBERRIES

Price, except where noted, 3 for **$1.00;** 10 for **$2.25;** 25 for **$4.75;** 50 for **$8.00.**

CUMBERLAND (BLACK). Extra large, oval, rich and juicy. Good quality; very productive

INDIAN SUMMER. The Best Everbearing Red Raspberry. Large berries of high quality ripen early and then produce a second crop in Sept. and Oct. Price, 3 for **$1.25;** 10 for **$2.50;** 25 for **$5.00.**

LATHAM (RED). Berries are immense, dark red in color and well flavored. Extremely hardy.

GRAPES

Price, 2 yr. No. 1 each, **75c;** 3 of one kind for **$1.75;** 10 for **$5.00**

CACO (RED). The most beautiful of the hardy grapes. Bunches large and compact, fruit sweet and palatable weeks before fully ripe.

CONCORD (BLACK). The most popular grape in America. Large, handsome bunches of large, luscious berries; juicy, sweet and tender. Very productive

FREDONIA (BLACK). The earliest good black grape, ripening about three weeks before most varieties, Clusters medium; berries large, of very good quality.

PORTLAND (WHITE). This is the earliest of all grapes. Large in bunch and berry; flesh sweet, juicy and of fine color. Hardy, vigorous, productive.

SPECIAL OFFER NO. 891D. One each of grapes Caco, Concord, Fredonia and Portland 2 yr. (value **$3.00**) for **$1.95.** (Postage additional for 3 lb.).

DWARF FRUIT TREES

These dwarf trees have low broad heads so that fruit can easily be picked and they take up little room in the garden or on the lawn. They usually bear good crops within 3 or 4 years and the fruit is of extra high quality. Plant 8 feet apart, and each spring trim off one-third to one-half of the previous season's growth.

DWARF APPLES. Delicious, McIntosh or Yellow Delicious, 2 yr., 3 to 4 ft., **$3.50;** 3 for **$9.75.**

DWARF PEARS. Bartlett, 2 yr., 3 to 4 ft., **$3.50;** 3 for $9.75.

QUINTUPLET APPLE TREE

5 Kinds of Apples on One Tree

This is the ideal tree for the small yard, 5 different varieties of apples are grafted on the main stock of one tree, which will give you good apples for summer, fall, and winter. 2-year trees, 4 to 5 ft., $^{11}/_{16}$ in. caliper **$3.95 each.**

BLACK WALNUTS—See page 93.

New Hardy Everblooming Hybrid Tea Roses

PEACE

The Most Beautiful Rose in the World To-Day AARS 1946 (Patent 591)

Peace is a beautiful creation, distinguished by the changing colors through which it passes—canary yellow, pale gold, cream and ivory, cerise, rose and apple-blossom pink. Huge yellow buds, edged with cerise, open to great peony-like blooms, often 5 to 6 inches in diameter, which change to creamy yellow with a delicate flush of pink, deepening as the flower slowly opens. Blooms are produced singly all season on strong and straight stems; they last an unbelievably long time and they will bring an ethereal beauty to your garden all summer long. The plant is as superior as the bloom, hardy and vigorous, with shining holly-like foliage. Mild fragrance. Each, **$2.00**; 3 for **$5.50.**

Price of the following six varieties: Dormant Roses, $2.00; 3 of one kind for $5.50

CAPISTRANO. AARS 1950 (Pat. 922). This is a magnificent rose in every way. The big long, beautifully formed buds open to extremely large, full blooms of a deep, glowing rose-pink which does not fade. Fine cut flower on extra long, heavy canes. Excellent keeping qualities.

DIAMOND JUBILEE. AARS 1948 (Pat. 824). See back cover page.

MISSION BELLS. AARS 1950 (Pat. 923). One of the freest flowering hybrid tea roses. Its pointed, well shaped buds of beautiful, deep salmon-pink open to richly fragrant, full, high centered blooms of clear shrimp-pink. Vigorous, heavily branched plants, abundantly clothed with disease resistant, coppery green foliage.

NEW YORKER. (Pat. 823). A brilliant red rose that stays red, clear and sparkling, until the last petals fall. Flowers are very fragrant, beautifully formed, and of tremendous size, often 6½ inches across. Blooms continuously.

SLEIGH BELLS. (Pat. App. For). Large ovoid buds, borne singly on exceedingly long stems, are produced in quantity all season. The white flowers are really fragrant and open gradually into blooms of great size, with 40 or more petals, lighted with a trace of primrose at the base.

SUTTERS GOLD. AARS 1950 (Pat. 885). Long, pointed, bright yellow buds, richly shaded with orange and red, open to high centered flowers of rich orange-gold, shading down to various yellows. Produces great quantities of buds all season. Delightful tea fragrance

SPECIAL OFFER 901-A. One each of Capistrano, Mission Bells, New Yorker, Sleigh Bells and Sutter's Gold. (Value $10.00) for **$8.50.**

All Roses listed are dormant, Northern grown 2 yr. No. 1 grade and should be planted early. All Roses are shipped via express from Western Springs, Ill., or may be shipped via parcel post if postage is sent. Allow 1 lb. for each plant. See order blank for postage rates (No Roses are shipped C O D.)

AARS. These are Roses selected by the Rose Council after two-year tests in 19 Official All-America Rose Selections Test Gardens. Only a Rose that is almost perfect and gives A-1 results in all parts of the country can pass their rigid tests. When you get an AARS variety you get the best.

Price of the following twelve varieties: Dormant Roses, $1.50; 3 of one kind for $4.25

CHARLOTTE ARMSTRONG. AARS 1941. (Pat. 455). An amazingly beautiful Rose with long, slender, blood-red buds open into magnificent, brilliantly colored flowers, spectrum-red in cool weather, cerise in hot weather. Blooms are on long stems and are very lasting when cut; plants are strong and vigorous.

FRED EDMUNDS. AARS 1944. (Pat 731). A spectacular Rose, so rich in color you can hardly believe your eyes. The long, pointed buds of burnt orange, on long stems, open to beautiful flowers of clear sparkling orange.

GOOD NEWS. (Pat. 426). Buds of deep coppery pink open slowly to great 60 petaled blooms with a glowing, coppery center, toning to shell-pink on outer petals. Rich tea fragrance. A vigorous healthy plant almost continuously in bloom.

HEART'S DESIRE. AARS 1942. (Patent 501). This is the No. 1 Rose of the 1942 "All-America Rose Selections," and what a Rose, for it really has everything that your heart could desire. A pure luminous red color, very sweet fragrance, long stems for cutting, vigorous grower.

HORACE MCFARLAND. AARS 1945. (Pat. 730). The buds are extra long and pointed, deep apricot, excellent for cutting. They open to fully double flowers of deep apricot-pink blended with salmon-buff and coral pink. Spicy fragrance. Does best in semi-shade.

LOWELL THOMAS. AARS 1944. (Pat. 595). Large, beautiful buds open into perfectly formed, high centered, lasting flowers of rich, golden yellow. Vigorous bushy plants.

MME. CHIANG KAI-SHEK. AARS 1944. (Patent 664). The "Honor Rose" for 1944 and the loveliest of all yellow Roses. It has long pointed buds of light yellow open full to beautifully formed, creamy yellow, long stemmed flowers; dark green foliage.

MIRANDY. AARS 1945. (Pat. 632). The first place winner for 1945. The large, long pointed, ovoid buds, are a deep rich dark red with black shadings, opening to a gorgeous chrysanthemum-red. The huge 50-petaled flowers are long lasting and have a wonderful fragrance.

NOCTURNE. AARS 1948. (Pat. 713). Perfect, long streamlined buds open to large, cupped blooms of cardinal-red with intriguing darker shadings of Chrysanthemum-crimson. Abundant, continuous bloomer.

RUBAIYAT. AARS 1947 (Pat. 758). This rose performs magnificently all season. It is a prolific bloomer, producing graceful, long, pointed, shapely buds which slowly open into very large blooms of brilliant rose-red to crimson. Tall, vigorous, luxuriant foliage. Delicious old rose fragrance.

SAN FERNANDO. AARS 1948. (Pat. 785). Large, long pointed buds, borne singly, open to high centered, fully double flowers of brilliant vermilion-scarlet. Its intense and lasting old rose fragrance is something to remember.

TAFFETA. AARS 1948. (Pat. 716). Rich carmine-rose in bud, changing to Begonia-rose in open flower; reverse of petals yellow. Noted for its ability to produce many long-stemmed, perfectly formed, fragrant buds in lovely color combinations all season.

TOP 10 AARS ROSES

As there was no 1951 AARS winner, the National Rose Jury selected the best 10 varieties from the 36 previous winners (1950 winners not included) and named these the top ten: **Charlotte Armstrong, Forty-niner, Katherine T. Marshall, Lowell Thomas, Mirandy, Nocturne, Peace, Rubaiyat, San Fernando** and **Tallyho.**

SPECIAL OFFER: One each of the Top 10 roses as listed above (value $15.85) for **$13.85.**

TWO EXTRA HARDY ROSES

MABELLE STEARNS. (Pat. 297). **Perpetual Flowering Dooryard Rose.** A Rosa Setigera Hybrid that is very hardy. The plants grow 2 feet high and will spread 6 to 8 feet or more if permitted. The full double, fragrant flowers of peach blossom-pink are produced in panicles from June until frost, and are excellent for cutting. **$2.00**; 3 for **$5.00.**

SHADES OF AUTUMN. (Pat. 542). **(Sub-zero Hybrid Tea).** Brilliant new bicolor with orange-copper and carmine shadings. Fragrant flowers produced continuously all season. **$1.75**; 3 for **$5.00.**

FORTY-NINER. AARS 1949 (Pat. 792). See page 2. **$1.75.**

TALLYHO. AARS 1949 (Pat. 828). See page 2. **$1.75.**

FOUR GREAT ROSES. One each of Horace McFarland, Lowell Thomas, Rubaiyat and San Fernando (value $6.00) for **$5.50.** (Shipping wt., 4 lbs.).

Price of the following five varieties: Dormant Roses, $1.35; 3 of one kind for $3.75

COUNTESS VANDAL. (Pat. 38). Here in one flower are blended all the beguiling tricks known to roses. Full blooms, sturdily borne; contrast of soft colors; the majesty of flaunting lines. Exquisite buds of pink, salmon and gold, excellent for cutting.

CRIMSON GLORY. (Patent No. 105). We consider this the finest of all red Garden Roses. It gives a quantity of fine blooms all summer and fall. Its large, urn-shaped buds open to deliciously fragrant flowers of intense, deep vivid crimson shaded ox-blood red and mellowed by a soft velvety nap. Vigorous growth.

ECLIPSE. (Patent No. 172). Introduced in 1936, this Rose is internationally famous and is of sensationally new form. Long, streamlined buds of clear, bright yellow, freely produced. Semi-double blooms, lasting well. A fine garden Rose.

KATHERINE T. MARSHALL. AARS 1944. (Pat. 607). Long pointed buds of exquisite coral pink open to very large, full cupped blooms of warm glowing pink; fruity fragrance. A marvelous grower

WILL ROGERS. (Patent No. 256). This Rose is one of the finest of velvety reds. In color it is a black crimson-maroon and holds well. Very vigorous and has a really intense old rose fragrance. It bears quantities of flowers throughout the season. Does best in semi-shade.

DELUXE ROSE COLLECTION. One each of Charlotte Armstrong, Crimson Glory, Countess Vandal and Eclipse (value $5.55) for **$5.00.** (Shipping wt., 4 lb.).

CHOICE EVERBLOOMING HYBRID TEA ROSES

The Hybrid Tea Roses bear their glorious blooms profusely from June until late fall. In severe winter climates they need proper winter protection.

Dormant Roses, $1.25; 3 of one kind for $3.45

BETTY UPRICHARD. "If I had room for only one Rose in my garden, it would be Betty Uprichard"—such is the enthusiasm of one great Rose lover for this vigorous, very fragrant Rose. Pointed copper-red buds, opening, reveal petals of soft salmon-pink which, in full bloom, contrast prettily with a reverse of orange-carmine

CHRISTOPHER STONE. See back cover page for description.

CONDESA DE SASTAGO. See back cover page for description.

DUQUESA DE PENARANDA. This glorious Rose produces two distinct types of flowers. In summer the splendid blooms are of a coppery apricot color; in autumn a luscious cinnamon-peach color.

ETOILE DE HOLLANDE. A brilliant dark red Rose of magnificent size and perfect form. Flowers deliciously fragrant.

FRAU KARL DRUSCHKI. (White American Beauty). (Hybrid Perpetual). Pure white, long, immense buds; double flowers.

GRUSS AN TEPLITZ. Rich scarlet shading to crimson, very fragrant. A vigorous grower and in bloom all the time. One of the best outdoor bedding varieties. Very hardy.

JOANNA HILL. One of our most popular Roses and the best of its color. Rich cream and ivory with a yellow-orange heart. A long-lasting cut flower of fine form.

McGREDY'S IVORY. See back cover page for description.

McGREDY'S SCARLET. A Rose with the McGredy name is always a top-notcher and this one is no exception. Its perfectly formed flowers of vivid rose-red come on long stems and are excellent for cutting

McGREDY'S YELLOW. Beautifully formed buds of pure, light butter-cup yellow; open flowers cup-shaped.

MME. JULES BOUCHE. Long, pointed, shapely buds, excellent for cutting, opening into superb white flowers, slightly shaded at times with blush pink; fragrant. Plant exceptionally strong and continuously in bloom.

MRS. ERSKINE PEMBROKE THOM. An unfading yellow with dark, healthy foliage. Slender buds open to perfectly shaped flowers of canary yellow.

Hybrid Tea—Floribunda—Climbing Roses

Choice Everblooming Hybrid Tea Roses—Continued

Dormant Roses, $1.25; 3 of one kind for $3.45

MRS. CHARLES BELL (SHELL-PINK RADIANCE). An exquisite shade of salmon-shell-pink that is not found in any other Rose. Has delicious fragrance and all the excellent qualities of Radiance.

MRS. PIERRE S. DUPONT. One of the most continuously blooming Roses grown. Long pointed, reddish gold buds opening into exquisitely formed flowers of dark golden yellow. Compact bushes with glossy foliage.

NIGGER BOY. Here is a rose that has everything. Like the Floribundas, it is continuously in bloom, and produces quantities of beautiful, dark crimson flowers, perfect in shape, that look like a miniature Crimson Glory.

PICTURE. This is one of the loveliest of all pink Roses, every flower being a perfect picture in color and form. The nicely formed buds open into medium-sized flowers of velvety rose-pink with a warm salmon undertone.

POINSETTIA. See back cover page for description.

PRESIDENT HERBERT HOOVER. Its deep copper-red buds open slowly to a wonderful blend which can only be described as multi-colored, with a dominance of cerise-pink and rich cream veined with scarlet. Superb buds; large flowers, lasting well; long stems

RADIANCE. Large, full, deliciously fragrant blooms of brilliant rosy carmine, shaded with pink. Constant bloomer and excellent keeper in hot weather. Easy to grow and one of the most popular Roses in America.

RED RADIANCE. Flowers clear cerise-red. Size, foliage, growth and habit same as in the parent Radiance. Hardy; strong grower.

SISTER THERESE. A dependable Rose of clear chrome yellow. The long pointed buds, streaked with a rich carmine, are perfectly shaped and are borne on the plants in candelabras; sweetbrier fragrance.

SNOWBIRD. The long pointed buds open into full double, high centered, very fragrant snow-white blooms. Leathery foliage; compact bushy growth; profuse bloom.

TALISMAN. A remarkable blending of gold, apricot, yellow, deep pink, and old rose. The rose of many Gold Medals and one of the most popular of all roses for cutting.

THE DOCTOR. See back cover page for description

MINIATURE ROSES

These are hardy everblooming roses growing only 6 to 8 inches high. We offer 3 inch potted plants.

PIXIE. (Pat. 408). The world's tiniest double white Rose. Each, **85c**; 3 for **$2.20.**

RED ELF. (Pat. 973). The richest and deepest color of them all—a velvety red. **$1.00.**

SWEET FAIRY. (Pat. 748) Dainty, deep pink buds open to very double 1-inch blooms of apple-blossom pink. True rose fragrance **85c**; 3 for **$2.20.**

SPECIAL OFFER NO. 911C. One each of the above 3 Miniature Roses for **$2.35.** (Add postage for 2 lb.)

POLYANTHA ROSES

These Roses are everblooming, hardy and have large flower clusters, like the Floribundas, but the individual flowers are smaller and the plants are more dwarf. Fine for edgings. **Dormant Roses, $1.00; 3 of one kind, $2.50; 12 for $10.00.**

GLORIA MUNDI. Full double flowers of most brilliant orange scarlet. Continuous blooming, giving a rich colorful effect.

TRIOMPHE ORLEANAIS. Brilliant cherry-red, lasting in color; blooms profusely in trusses; bright green foliage.

MARGO KOSTER. Very dwarf bushy plants with clusters of unusual globe-shaped flowers of vivid orange, flushed coral-pink.

Sub-Zero Floribunda Roses

Dormant roses, **$1.75**; 3 of one kind for **$5.00.**

ANNE VANDERBILT. (Pat. 504) An easy to grow rose that often produces 100 or more fragrant blooms in one season. Flowers exquisite copper-orange, informal, semi-double and very brilliant.

CURLY PINK. (Pat. 842) Matchless in the combination of size and form of bloom, beauty of cluster, constancy, vigor and foliage, hardiness and performance. When established, many large, two-toned pink blossoms, in several stages form a gorgeous bouquet on a single stem.

KING BOREAS. (Pat. Pending). The very double, fragrant lemon-yellow flowers, borne singly or in candelabra clusters, are abundant from June to November. Vigorous grower, beautiful glossy foliage.

FLORIBUNDA ROSES

These Roses are among the hardiest and most continuous blooming hybrids offered, giving a spectacular and permanent display from June until frost. Their flowers are borne in clusters

CRIMSON ROSETTE. (Pat. 901). Huge clusters of buds cover the branches and open slowly to medium-sized, fifty-petaled flowers of vivid crimson. They last for days when cut. The plants are extra strong in growth with good foliage and one crop of flowers is quickly followed by another **$1.50**; 3 for **$4.25.**

DAGMAR SPATH (WHITE LAFAYETTE). Large trusses of pure white semi-double flowers, produced freely all summer. Excellent for cutting. **$1.25.**

ELSE POULSEN. Semi-double, lasting bright rose-pink flowers of medium size in clusters on bushy, erect growing plants. Very showy. **$1.25**; 3 for **3.45**; doz., for **$12.50.**

FASHION (Pat. 789) (Floribunda) Top Winner, 1950 All-American Rose Trials

An unusually beautiful Floribunda that brings an entirely new color into the rose world. A sparkling coral-pink, overlaid with gold, which softens to a clear coral and then deepens to reddish tones at the finishing stage. Pointed, Oriental red buds open gradually into lovely, miniature Hybrid Teas up to 3½ inches across. Old rose fragrance. **$2.00**; 3 for **$5.50.**

FLORADORA. AARS 1945 Spectacular profuse-blooming new Floribunda of bright Cinnabar with shades of scarlet. **$1.35**; 3 for **$3.75.**

GERANIUM RED. (Pat. 811) Well named for color, form and fragrance. The flowers are very double, bright geranium-red in color, and have an unusual strong rose geranium fragrance. **$1.50**; 3 for **$4.25**; 12 for **$15.00.**

GOLDILOCKS. (Pat. 672). Very double, bright golden yellow flowers, in heavy clusters, always in bloom. Wild rose fragrance. **$1.50.**

IMPROVED LAFAYETTE. An unusually prolific large flowering variety; very showy and fine for mass plantings. Buds deep crimson, opening cerise-red, **$1.25**; 3 for **$3.45**; doz. for **$12.50.**

PINK GRUSS AN AACHEN. Large, very double, deep salmon-pink blooms like a hybrid tea rose. Ideal for bedding; produces constant bloom **$1.25.**

PINK ROSETTE. (Pat. 902). Like Crimson Rosette, but with pure peach pink flowers of great beauty. **$1.50**; 3 for **$4.25.**

PINOCCHIO. (Pat. 484). Profuse bloomer in immense clusters with delightful flowers of a changeable two-tone pink color. Buds long and pointed, open flowers like miniature hybrid teas. **$1.35**; 3 for **$3.75**; doz. for **$13.50.**

RED PINOCCHIO. (Pat. 812) Prolific producer of 3½ inch flowers of velvety deep red in large, long lasting, unfading clusters. Wild rose fragrance. **$1.50**; 3 for **$4.25.**

ROSE ELFE. Unusually beautiful, silvery rose-pink flowers of gardenia-like form. They are very double, about 2½ inches across, and are produced freely all summer. **$1.25**; 3 for **$3.45.**

WORLD'S FAIR. (Patent No. 362). Large clusters of velvety, black-scarlet flowers, nearly 4 inches across, with 18 to 20 petals. Blooms continuously; fragrant. **$1.35**; 3 for **$3.75.**

SPECIAL OFFER NO. 911A. One each of Dagmar Spath, Improved LaFayette and Rose Elfe, 3 dormant plants. (Value $3.75) for **$3.25.** Shipping wt., 3 lbs.)

Dust or Spray Regularly with "Protexall" (see page 20) and you will have few, if any, rose troubles.

CLIMBING ROSES

Attention is invited to the many types of climbing Roses in our list. New varieties are creating greater interest in climbers. Many varieties are quite hardy but we advise winter protection

Price of the following varieties except where noted.

Dormant, $1.25; 3 of one kind for $3.45

BLAZE. A marvelous, scarlet-red Rose, combining the bloom and growth of Paul's Scarlet Climber with everblooming character. Blooms are double, often 4 inches in diameter. Gives a fine display in June; blooms again in the fall. **$1.50**; 3 for **$4.25.**

BONFIRE. Best red rambler. Many heavy trusses of small double dazzling scarlet flowers in large clusters of 20 to 25 blooms

CITY OF YORK. Heavy bloomer of lovely, long lasting, cupped, 3-inch semi-double flowers of creamy-white. Hardy; strong grower; elegant disease free foliage **$1.50**; 3 for **$4.25.**

CLIMBING AMERICAN BEAUTY. A free-climber. Rosy crimson flowers, 3 to 4 inches across, produced freely in June and occasionally throughout the season.

GOLD RUSH. A vigorous climber, producing masses of rich golden yellow flowers of excellent form and substance. Repeats bloom on its new growth for the season; glossy foliage **$1.50**; 3 for **$4.25.**

MARY WALLACE. Well formed, semi-double flowers generally 4 inches in diameter, of a bright clear rose-pink with salmon base.

PAUL'S SCARLET CLIMBER. A most important addition to the Climbing Roses; none can compare with it for brilliancy of color, which is a vivid scarlet. A strong climber

PRIMROSE. A pure yellow, hardy climbing Rose. Its large, double flowers are a soft, rich primrose yellow, and are borne in clusters of 4 and 5 on an extremely vigorous plant.

THE NEW DAWN. (The Hardy Everblooming Dr. Van Fleet). The first everblooming climbing Rose. A sport from Dr. Van Fleet, having same habit of growth. The delicate flesh pink flowers are fragrant and bloom all summer. **$1.50.**

SPECIAL OFFER NO. 911B: One each of Blaze, Gold Rush and The New Dawn, 3 Roses, (value **$4.50**) for **$4.00.** (Shipping wt. 5 lbs.)

NEW PATENTED CLIMBING ROSES

CLIMBING BREAK O'DAY. (Prop. rights reserved). Vigorous everblooming climber, with large, very double flowers of orange-apricot with lighter tints. **$2.00.**

CLIMBING CRIMSON GLORY. (Pat. 736). Climbing form of the outstanding bush everblooming variety, producing an abundance of perfectly formed crimson colored blooms. **$2.00**; 3 for **$5.50.**

CLIMBING PEACE. (Pat. 932). A climbing sport with blooms identical with those of the bush Peace rose. Too new yet to be thoroughly tested so we suggest good winter protection. **$2.00**; 3 for **$5.50.**

DR. J. H. NICOLAS. (Pat. 457). Everblooming deep rose-pink. Magnificent, very double, deeply fragrant blooms like the Hybrids Teas. **$1.50**; 3 for **$4.25.**

DOUBLOONS. (Pat. 152). A hybrid of Rosa Setigera, very hardy. Clusters of very large, cup-formed, saffron yellow blooms, opening one after the other, over a long period. Long heavy canes. **$1.50**; 3 for **$4.25.**

ORANGE EVERGLOW. (Pat. 505). New hardy everblooming climber featuring beauty, fragrance, and vigor. Color dazzling coppery orange. **$2.00.**

THOR. (Giant Scarlet Climber). (Pat. 387). Brilliant scarlet-red of the same shade as Crimson Glory. The flowers are perfectly formed; 4 to 5 inches across, have 55 to 60 petals and are produced abundantly. Foliage rich bottle green which does not mildew or blackspot. Very hardy, **$2.00.**

A Good Growing Tip

As soon as dormant Roses are properly pruned and planted, hill them up with 3 or 4 inches of moist soil. This keeps the wind from drying the plants and helps them to leaf out more quickly. Remove soil gradually as plants begin growing.

Flowering Trees and Shrubs

BUDDLEIA (Butterfly Bush)

All Prices Are F. O. B. Our Nurseries, Western Springs, Ill.

The figures in italics following each variety indicate in feet the average height of the plant at maturity. B. & B. indicates "Balled and Burlapped."
(No Nursery Stock Shipped C. O. D.)

ALMOND (Prunus)

DOUBLE PINK FLOWERING ALMOND (PRUNUS GLANDULOSA SINENSIS). *4 to 6 ft.* These bushy shrubs never fail to produce in early spring, before the leaves appear, a profusion of small very double pink, rose-like flowers that are closely set along the branches. *2 to 3 ft.*, **$1.50**; 3 for **$4.00**.

BARBERRY (Berberis)

GREEN LEAVED BARBERRY (B. THUNBERGI). *4 ft.* Popular hedge plant. Scarlet berries in fall and winter. 18 to 24 in., **75c**; 3, **$2.10**; 10, **$6.50**; 100, **$55.00**.

MENTOR BARBERRY (B. MENTORENSIS). *3 ft.* (Patent No. 99). It is extremely hardy and is able to withstand intense heat and drought without wilting or burning. Its foliage is heavy and thick and remains green until after the holidays. 18 to 24 in., **$1.25**; 3, **$3.30**; 10, **$10.50**; 100, **$75.00**.

RED-LEAVED BARBERRY (B. THUN. ATROPURPUREA). *4 ft.* The foliage is a rich, bronzy red all summer. Plant in full sun to develop its coloring. 18 to 24 in., **$1.00**; 3, **$2.75**; 10, **$8.50**; 100, **$70.00**.

BEAUTYBUSH (Kolkwitzia Amabilis).

6 to 8 ft. A graceful shrub that is well named, for it is one of the most beautiful in our Nursery. It makes a wonderful showing in June when its long arching branches are usually completely covered with masses of pink snapdragon-like flowers. A hardy and reliable shrub for better home and landscape plantings. *2 to 3 ft.*, **$1.50**; 3 for **$4.20**.

BIRCH (Betula)

EUROPEAN WHITE BIRCH (B. ALBA). *30-40 ft.* Of very upright habit with beautiful white bark. Foliage small and finely toothed. 8 to 10 ft., **$4.50**; 6 to 7 ft. clumps, **$6.00**.

CUT-LEAVED WEEPING BIRCH (B. PENDULA GRACILIS). *30-40 ft.* An unusually graceful drooping tree, with deeply cut foliage and silvery white bark at maturity. 7 to 9 ft., **$7.00**.

HYBRID BLUEBERRIES

HIGHLY ORNAMENTAL PLANTS—DELICIOUS FRUITS. *3 to 5 ft.* Beautiful all year. The foliage is a deep, rich green in summer, turning to a beautiful crim on in fall, and all winter the twigs are bright red. Excellent for planting with Evergreens or Broad-leaved Evergreens, as they require an acid soil. Large clusters of beautiful blue fruits, plump, meaty, tender and practically seedless. Flowers are not self-fertile and therefore we only sell 3 or more plants to a customer so that we can supply more than one variety. Price, 3-year clumps, 3 for **$4.80**; 6 for **$9.00**.

BRIDALWREATH (Spiraea)

S. VAN HOUTTE. *5 to 6 ft.* One of the most beautiful and useful shrubs. 2 to 3 ft., **90c**; 3 for **$2.40**; 10 for **$7.50**; 3 to 4 ft., **$1.15**; 3 for **$3.00**; 10 for **$9.50**.

FOUR NEW BUDDLEIAS (BUTTERFLY BUSHES OR SUMMER LILACS) $2.95

One each of those listed below.

The long tapering spikes thickly covered with minute tubular flowers of pleasing fragrance bloom during July and continue until frost. Excellent for cut-flowers. The stalks die to the ground each winter but come up vigorously again in the spring.

DUBONNET. *4 ft.* The color, matches that of the French Dubonnet wine, glowing red in the sun.

CHARMING. *4 ft.* A glorious variety, bearing elegant, extra long sprays of orchid-pink blooms.

ORCHID BEAUTY. *3 to 4 ft.* Individual florets fringed; color soft cattleya-lilac with brilliant orange eye.

ROYAL PURPLE. (New). *3 to 4 ft.* Very shapely, extra long, full spikes of brilliant, glowing red-purple color.

Prices of above, field grown, each, **$1.00**; 3 for **$2.85**.

DWARF BURNING BUSH

EUONYMUS ALATUS COMPACTA. *4 to 6 ft.* Bark cork-like and curiously winged; leaves small; fruit red; in autumn, foliage bright red. One of our best shrubs for specimen plantings and for growing in shady locations. 18 to 24 in., **$2.50**; 3 to 3½ ft., **$5.00**; 3½ to 4 ft., **$6.00**.

BUSH CHERRY (Prunus Besseyi)

HANSEN'S IMPROVED. *4 to 5 ft.* Hardy, cherry with edible fruit resembling a small plum, massed in clusters from the ground up; fragrant white flowers in spring and beautiful silvery green foliage which turns rich red and gold in fall. 2 to 3 ft., **80c**; 3, **$2.25**.

COTONEASTER ACUTIFOLIA

PEKING COTONEASTER. *5 to 10 ft.* Small leathery leaves of rich glossy green, jet black berries in fall. Extremely hardy, it makes one of our finest hedges. Can be trimmed like Privet. 2 to 3 ft., **$1.00**; 3, **$2.70**; 10, **$8.50**.

CRAB, FLOWERING (Malus)

BECHTEL'S DOUBLE FLOWERING CRAB. *10 to 15 ft.* Trees of medium size are covered in early spring with large, beautiful, double fragrant flowers resembling small roses of a delicate pink. 3 to 4 ft., **$3.00**; 3 for **$8.25**.

ELEYI CRAB (M. ELEYI). *10 to 15 ft.* Red foliage in spring later turning to bronze green. Produces clusters of wine red flowers and fruits of a dark red color. 4 to 5 ft., **$3.00**; 3 for **$8.25**.

ROSE FLOWERING CRAB (M. HOPA). *15 to 20 ft.* Very hardy and one of the most beautiful of all flowering trees. Produces quantities of very large, deep rose-colored flowers followed by large edible fruits; distinctly red fleshed. 4 to 5 ft., **$3.00**.

CRANBERRYBUSH (Viburnum)

EUROPEAN CRANBERRYBUSH (V. OPULUS). *10 ft.* Showy, cranberry-like berries in fall and early winter. 3 to 4 ft., **$1.25**; 3, **$3.45**.

DOGWOOD (Cornus)

PINK FLOWERING DOGWOOD (C. FLORIDA RUBRA). *15 ft.* A small, upright tree that produces large deep rose-colored flowers in early spring. Very showy. 2 to 3 ft. B & B, **$6.50**.

REDTWIG DOGWOOD (C. ALBA SIBIRICA). *6 to 10 ft.* Bright coral-red branches. 3 to 4 ft., **$1.00**; 3, **$2.85**.

GOLDENTWIG DOGWOOD (C. STOL. FLAVIRAMEA). *6 to 10 ft.* Attractive golden yellow bark. 3 to 4 ft., **$1.00**; 3, **$2.85**.

CHINESE ELM HEDGING

ULMUS PUMILA. It forms a beautiful, dense, impenetrable hedge with small dark green foliage. It can be kept low-growing and clipped, or can be used where immediate screening effects are desired. For hedge purposes, plant seedlings 12 to 18 inches apart. 2 to 3 ft. seedlings, not transplanted, 10, **$2.00**; 50, **$7.50**; 100, **$13.50**.

ELM (Ulmus)

AMERICAN ELM. *80 to 100 ft.* Popular native tree with broad arching branches; foliage dark green.

AMERICAN ELM, MOLINE TYPE. *80 to 100 ft.* Exceedingly large foliage. Of upright habit. Splendid tree for the street or for small yards.

CHINESE OR SIBERIAN ELM (U. PUMILA). *75 ft.* On account of its rapid growth, and ability to thrive in almost any situation, this is one of the most popular trees in America.

(Prices of the above 3 varieties as follows:)

Height	Caliper	Each	3 for
8 to 10 ft.	1 to 1¼ inch	$5.00	$14.25
8 to 10 ft.	1¼ to 1½ inch	6.50	18.45
10 to 12 ft.	1½ to 1¾ inch	7.50	21.45
10 to 12 ft.	1¾ to 2 inch	8.50	24.45

VAUGHAN'S NURSERY PRICE LIST
Listing our complete assortment of ornamental shrubs, shade trees, evergreens, small fruits, and fruit trees will be sent free on request. Ready about March 1st.

FIREBUSH OR FLOWERING QUINCE

CYDONIA JAPONICA. *4 to 5 ft.* Brilliant orange-scarlet flowers in April, followed by yellowish green, quince-shaped, fragrant fruits. 18 to 24 in., **$1.10**; 3 for **$2.95**; 10 for **$9.00**.

GOLDEN BELL (Forsythia)

SHOWY BORDER GOLDEN BELL (INT. SPECT). *6 to 8 ft.* Its large, rich, yellow blossoms completely cover the wide spreading branches in early spring. 3 to 4 ft., **$1.25**; 3, **$3.60**; 10, **$11.00**.

SPRING GLORY. *5 to 8 ft.* The loveliest of all Golden Bells and the most prolific, its attractive large pale yellow flowers completely covering the bushes in early spring. 2 to 3 ft., **$1.50**; 3, **$4.00**.

HAWTHORN (Crataegus)

PAUL'S DOUBLE SCARLET (C. OXY. SPLENDENS). *12 to 15 ft.* Very showy blossoms of bright scarlet color, large, full and very double. 5 to 6 ft., **$6.00**.

HONEYLOCUST (Gleditsia)

THORNLESS HONEYLOCUST (G. TRIACANTHOS INERMIS). *50 to 70 ft.* A large, vigorous tree with spreading branches, thornless or nearly so, and handsome feathery fern-like leaves. Good for yard or street planting and will withstand the dust and smoke of a city well. 8 to 10 ft., 1 to 1¼ in. caliper, **$5.00**; 8 to 10 ft., 1¼ to 1½ caliper, **$6.00**; 8 to 10 ft., 1½ to 1¾ in. caliper, **$7.50**.

MORAINE LOCUST. (Patent No. 836). 80 to 100 ft. New. A near-perfect shade or street tree. It is a selected form of the Honeylocust that is thornless and seedless and grows more rapidly, as fast as the soft maple or Chinese elm, but is definitely hard wooded. We highly recommend it. 5 to 6 ft., whips **$5.00**; 6 to 7 ft., branched, **$8.00**.

HONEYSUCKLE (Lonicera)

BUSH HONEYSUCKLE. *9 to 10 ft.* One of our best shrubs for screen and border plantings.

Pink, Red or White. 3 to 4 ft., **$1.15**; 3 for **$3.30**; 10 for **$9.00**.

ZABEL RED H. (L. KOROLKOWI ZABELI). *10 ft.* A dense upright growing shrub. This variety produces a grand display of red flowers in spring followed by red fruits in summer. It is probably the darkest colored bush honeysuckle. 3 to 4 ft., **$1.25**; 3 for **$3.45**; 10 for **$11.00**.

HYDRANGEA

BLUE HYDRANGEA. *2 ft.* Blooms of deep and intense blue last for a long time in late summer. Will grow in sun or light shade. Protect during winter in colder climates. Use a little alum when planting to assure the best color. 2 yr., **$1.95**; 3, **$5.40**.

PEEGEE HYDRANGEA (H. PANICULATA GRANDIFLORA). *8 to 10 ft.* Immense panicles of bloom a foot long, white turning to rose, commencing to bloom in August. 18 to 24 in., **$1.10**; 3, **$2.95**; 10, **$9.00**.

SNOWBALL HYDRANGEA (H. ARBORESCENS GRANDIFLORA). *4 ft.* Large, flat heads of snow-white flowers in June and July. Thrives in shade. 18 to 24 in., **$1.25**; 3 for **$3.30**; 10, **$10.00**.

KERRIA

JAP. PLENIFLORA. (Double Kerria). *4 to 5 ft.* Its slender green branches are attractive all winter. Leaves light green, yellow in autumn. Showy, bright double yellow flowers from June to September. 2 to 3 ft., **$1.35**; 3, **$3.75**.

MORAINE LOCUST

for the Home Landscape

HORSECHESTNUT (Aesculus)

PINK FLOWERING (A. CARNEA). *20 to 25 ft.* A round headed, small flowering tree with beautiful pyramid cones of deep pink flowers in early June. They give the tree the effect of being lighted with big candles. Foliage lustrous, dark green. 5 to 6 ft., **$6.50.**

WHITE FLOWERING (A. HIPPOCASTANUM). *40 to 50 ft.* Beautiful tree with large showy white flowers in spring. 4 to 5 ft., **$3.50.**

LILAC SPECIES

COMMON PURPLE LILAC (SYRINGA VULG. PURPUREA). *12 to 15 ft.* The old-fashioned Lilac. It is hardy and vigorous, endures neglect and blooms abundantly. Purple flowers early in May. 2 to 3 ft., **$1.00**; 3, **$2.75**; 3 to 4 ft., **$1.25**; 3, **$3.45.**

PERSIAN PURPLE (SYRINGA PERSICA). *8 to 10 ft.* The most graceful and freely flowering of the Lilacs, with purple-lavender flowers, in loose panicles. 2 to 3 ft., **$1.00**; 3, **$2.75**; 3 to 4 ft., **$1.35**; 3, **$3.75**; 10, **$12.00.**

LILAC (SYRINGA JAPONICA). *15 to 20 ft.* The last of the Lilacs to bloom, bearing its small creamy-white flowers in upright clusters from 12 to 18 inches long in June and July. 3 to 4 ft., **$1.75**; 3, **$4.80.**

FRENCH HYBRID LILACS

CHARLES JOLY. Double flowers of dark, wine-red with silvery reverse. One of our very finest Lilacs. 18 to 24 in., **$1.75**; 3 for **$4.80**; 2 to 3 ft., **$2.25**; 3 for **$6.00.**

EDITH CAVELL. Very showy, double, creamy-white flowers in extra large, long cone-shaped panicles. Strong and free blooming.

PRES. CARNOT. Large double flowers of orchid-pink in long narrow clusters. Very free blooming and strong growing variety.

PRES. GREVY. Considered by many as the most satisfactory of the blue Lilacs. Giant, pyramidal clusters of double flowers of very fine clear, soft, delicate blue.

Prices of above, except where noted: 18 to 24 in., **$1.50**; 3 for **$4.00**; 2 to 3 ft., **$2.00**; 3 for **$5.50.**

SPECIAL OFFER NO. — One each of above 4 Lilacs, 18 to 24 in. (value $6.25) for **$5.00**; 2 to 3 ft., (Value $8.25) for **$7.00.**

MAGNOLIA

SAUCER MAGNOLIA (M. SOULANGEANA) *20 ft.* Flowers come before the long glossy leaves, and are 3 to 5 inches across, cup-shaped, rosy pink when in bud. A full-sized tree is a bouquet of thousands of showy flowers, not surpassed by any other tree in effectiveness. 3 to 4 ft., B. & B., **$12.00**; 4 to 5 ft., B. & B., **$15.00.**

MAPLE (Acer)

CRIMSON KING MAPLE (A. Plat. Schwed. Nigra). (Pat. No. 735). The new purple leaved Maple which holds its rich dark color throughout the summer. 7 to 8 ft. whips, **$8.00.**

NORWAY MAPLE (ACER PLATANOIDES). *50 to 75 ft.* A large and handsome tree with spreading branches, and compact, round head. Broad, dark green foliage, fading with tones of yellow and gold in autumn. 8 to 10 ft., 1 to 1¼ in. caliper, **$6.50**; 1¼ to 1½ in. caliper, **$7.50**;

SCHWEDLER MAPLE (ACER PLATANOIDES SCHWEDLERI). *40 to 60 ft.* Gleaming red and purple leaves in spring, changing to dark green during summer. 8 to 10 ft., branched, **$8.00.**

GARDENIA-SCENTED SNOWBALL

MAIDENHAIR TREE

GINKGO BILOBA. *50 to 60 ft.* Highly ornamental tree of slender upright growth but with peculiar spreading branches. The leaves are fan-shaped, of deep green color, turning golden yellow in fall. Especially valuable in that it is immune to ordinary attacks of insects and withstands so well the unnatural conditions of our cities. 6 to 8 ft., 1⅛ to 1 in. caliper, **$5.00**; 8 to 10 ft., 1 to 1¼ in. caliper, **$6.00.**

MOCK ORANGE (Philadelphus)

COMMON MOCK ORANGE. *7 to 10 ft.* The free flowering single white found in the old-fashioned gardens of rapid growth, forming a large bush. 3 to 4 ft., **$1.10**; 3, **$2.95**; 10, **$9.00.**

MINNESOTA SNOWFLAKE. (Pat. No. 538). 8 ft. This lovely mockorange produces a profusion of pure snow-white flowers that are extremely double and intensely fragrant. It is very hardy, vigorous, bushy, has good foliage and is excellent for specimen plantings. 2 to ft., **$1.50.**

VIRGINALIS. *7 to 8 ft.* One of the most beautiful shrubs grown. In June the plants appear as a huge bouquet, being completely covered with extra large, single and semi-double flowers that are pure white and sweet-scented. 3 to 4 ft., **$1.75**; 3, **$4.80**; 4 to 5 ft., **$2.00**; 3, **$5.55.**

MOUNTAIN ASH EUROPEAN

SORBUS AUCUPARIA. *25 to 30 ft.* A handsome tree with compound leaves of dark green; golden yellow in autumn. The white flowers are followed in fall by large clusters of bright red berries. 8 to 10 ft., **$6.00.**

DWARF NINEBARK

PHYSOCARPUS MONOGYNUS. *5 ft.* One of our finest low-growing hedge plants. Dense, upright growth, it requires little shearing. The leaves are small, three to five lobed, and in color are a dark, glossy green. Ideal for growing in shady places or in full sun. 2 to 3 ft., **$1.00**; 3, **$2.85**; 10, **$9.00.**

PRIVET HEDGE (Ligustrum)

AMUR PRIVET (L. AMURENSE). *12 ft.* One of the best hardy hedge plants. May be sheared to any extent. 18 to 24 in., 10, **$3.00**; 100, **$25.00**; 2 to 3 ft., 10, **$4.00**; 100, **$35.00**; 3 to 4 ft., 10, **$5.00.**

PLUM (Prunus)

NEWPORT PURPLE-LEAF PLUM (PRUNUS CERASIFERA NEWPORT). *12 to 15 ft.* A small tree shrub. The leaves, when young, are lustrous crimson, changing to a dark purple and retain this beautiful tint until they drop, late in autumn. 4 to 5 ft., **$3.50.**

ROSE OF SHARON

HIBISCUS SYRIACUS OR SHRUBALTHEA. *6 to 12 ft.* An upright shrub, blooming in August and September. The flowers resemble those of the hollyhock, and are very showy. **Double pink, purple, white or red.** 3 to 4 ft., **$1.25**; 3, **$3.30.**

ROSE HARRISON'S YELLOW

4 to 5 ft. This is the rose of olden times. Its semi-double, deep golden yellow flowers make a spectacular show in the garden in June. 2 yr., **$1.35**; 3 for **$3.75.**

ROSA MULTIFLORA - FENCE ROSE

6 to 8 ft. The white or light pink flowers mature into bright red berries which attract game and song birds. The shrub is armed with sharp thorns and makes a stock tight hedge as wide as tall. Seedlings, 12 to 15 in., ¼ in. caliper at crown, 50 for **$7.00**; 100 for **$12.00**; 500 for **$50.00.**

HYBRID RUGOSA ROSES

HANSA. *5 to 6 ft.* Double, reddish-violet flowers of large size, freely produced. Very sweet scented. 2 year, **$1.25**; 3, **$3.45.**

F. J. GROOTENDORST. *5 to 6 ft.* The flowers are bright red, beautifully fringed, and produced in clusters. It blooms from early summer until frost. 2 year, **$1.35**; 3, **$3.75.**

PINK GROOTENDORST. *5 to 6 ft.* A variety similar in every way to the F. J. Grootendorst except that the flowers are a clear pink. 2 year, **$1.35.**

GOLDEN ROSE OF CHINA

ROSA HUGONIS. *6 ft.* Excellent hardy rose that makes a spectacular show when its long arching branches are thickly set with lovely single yellow flowers in May. 2 yr., **$1.25**; 3, **$3.45.**

SNOWGARLAND

SPIRAEA ARGUTA MULTIFLORA. *4 to 5 ft.* Showy shrub with leaves of narrow, bright green, fading with tones of yellow and orange in fall. Flowers are small, pure white, and are borne in early spring in such profusion that the whole shrub appears laden with snow. 3 to 4 ft., **$1.00**; 3, **$2.85**; 10, **$8.50.**

HYBRID BLUEBERRIES

SNOWBALL (Viburnum)

GARDENIA-SCENTED SNOWBALL (V. BURKWOODI). *5 ft.* This new garden aristocrat is fast growing, semi-evergreen and bears its very fragrant, waxy, pinkish-white flowers in round, domed clusters in early spring. Glossy green foliage brilliantly tinted in autumn. 18 to 24 in., **$3.50.**

OLD-FASHIONED SNOWBALL (V. OPULUS STERILE). *8 to 10 ft.* Large balls of white flowers in May. 2 to 3 ft., **$1.35**; 3 for **$3.75.**

EVERBLOOMING SPIRAEA

S. ANTHONY WATERER. 2½ ft. Flat clusters of rosy-crimson flowers throughout the summer and fall. 18 to 24 in., **$1.25**; 3 for **$3.45.**

S. FROEBELI. *3 ft.* Round, flat clusters of rosy-pink flowers from June to October. Beautiful foliage all season. One of our best low growing shrubs for general use and for flowering hedges. 18 to 24 in., **90c**; 3, **$2.55**; 10, **$8.00.**

TAMARIX SUMMER GLOW

T. HISP. AEST. RUBRA. *8 to 10 ft.* Magnificent variety with wine-red flower spikes that appear all during the summer. Feathery gray-green foliage. To get best results, Tamarix should be cut to the ground when transplanted. 3 to 4 ft., **$1.50**; 3, **$4.20.**

THOMAS BLACK WALNUT

50 to 70 ft. These are grafted trees which grow quickly and bear very young. They are self-fertile and make beautiful shade trees, as well as producing an abundance of large high quality nuts that are easy to crack, so the meats come out in halves and quarters. 4 to 5 ft., **$3.50.**

WILLOW (Salix)

PUSSY WILLOW (S. DISCOLOR). *10 to 15 ft.* Small tree or large shrub with handsome fur-like catkins which appear in early spring before the leaves. 3 to 4 ft., **$1.25**; 3 for **$3.45.**

NIOBE WEEPING WILLOW (S. NIOBE). *30 to 40 ft.* Wavy, bright green foliage borne on slender, pendent branches. 8 to 10 ft., **$3.75.**

WINTERCREEPER (Euonymus)

BIGLEAF WINTERCREEPER (EUONYMUS RADICANS VEGETUS). This hardy evergreen trailer has round leaves and is sometimes called "Evergreen Bittersweet" on account of its gorgeous red berries, which are resplendent all winter against a rich deep evergreen foliage. Makes a useful ground cover or will climb on brick or stone. 18 to 24 in., B.&B., **$5.00**; 3 for **$14.25.**

PURPLELEAF WINTERCREEPER (E. RADICANS COLORATA). Named for its winter foliage. Plant an excellent ground cover; glossy green in summer. 2½ in. pots, **75c**; 3, **$2.10**; 10, **$6.50.** 3 inch pots, **90c**; 3 for **$2.40**; 10, **$7.50.**

WITCHHAZEL (Hamamelis)

WINTER-BLOOMING W. (H. VERNALIS). *5 to 6 ft.* Blossoms as early as January and will continue to bloom for a long time, opening during the mild weather and closing when the temperature drops. The flowers come in profusion, have a spicy fragrance, and vary from bright yellow to shades of old gold, reddish brown and maroon. It gives the best results when planted in a sheltered place well open to the winter sun. 2 to 3 ft., **$2.00**; 3 for **$5.50**; 3 to 4 ft., **$2.50.**

WEIGELA (Diervilla)

BRISTOL RUBY. (Patent No. 492) *6 ft.* Splendid new variety that blooms profusely in June and early July and occasionally later in the season. Color in effect is a soft ruby-red shading to garnet-crimson. Vigorous grower forming a nice, compact bush. 18 to 24 inch **$1.50**; 3, **$4.00.**

ROSEA. *6 ft.* Very floriferous, producing quantities of large, showy, trumpet-shaped pink flowers in June. 3 to 4 ft., **$1.25**; 3, **$3.45.**

Hardy Climbing Vines

BITTERSWEET (Celastrus Scandens)

A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. Succeeds well in shade. We recommend planting 2 or more in a group. 2 yr., **85c**; 3 for **$1.95**; 10, **$6.00**.

LARGE-FLOWERING CLEMATIS

HENRYI. Pure white flowers, usually eight-petaled, and often 6 to 8 inches in diameter.

JACKMANI. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion.

MME. EDWARD ANDRE. Very beautiful bright velvety red, free-flowering and continuous bloomer.

RAMONA. An extra good variety that gives plenty of bloom of a distinct shade of light lavender blue.

Prices of the above 4 varieties: 2-year, each, **$1.35**.

GOLD MEDAL COLLECTION. One each Jackmani, Henryi and Mme. Edward Andre, 2-year for **$3.50**. (Add postage for 1 lb.)

FIVE FINE NEW CLEMATIS

COMTESSE DE BOUCHAUD. Beautiful flowers with gracefully curved petals of satiny rose. Blooms from July to September. Very distinct. 2 yr., **$1.50**.

CRIMSON KING. Truly spectacular, bright red flowers that are often 6 to 7 inches in diameter. Blooms from June to September. **$1.50**.

LORD NEVILLE. Very dark, velvety blue-purple. Exquisite in color, with petals rich in texture. Has a long blooming season. 2 yr., **$1.50**.

NELLY MOSER Beautiful large flowers of pale mauve with a red bar on each petal. Profuse bloom from June to October; vigorous growth. **$1.65**.

PRINS HENDRIK. Of rare orchid-like beauty, with gorgeous azure-blue, ruffled petals, often 7 inches in diameter. Blooms from June until frost. **$1.75**.

DELUXE COLLECTION. One each of Comtesse de Bouchaud, Crimson King, and Lord Neville, 2-year for **$4.25**. (Add postage for 1 lb.)

VARIOUS SPECIES OF CLEMATIS

SWEET AUTUMN CLEMATIS (CLEMATIS PANICULATA). The flowers are pure white, deliciously fragrant and produced with the greatest freedom in September. The most popular of all the small-flowered vines. 2 yr., **$1.00**; 3 for **$2.70**.

CREEPER (Ampelopsis)

BOSTON IVY (A. TRICUSPIDATA OR VEITCHEI). The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. 2 year, **85c**; 3 for **$2.25**; 10 for **$7.00**.

ENGELMAN'S CREEPER (A. ENGELMANI). One of the hardiest, best and quickest growing climbers. Leaves color beautifully in the fall. Has a tendency to cling to brick or stucco. 2-year, **75c**; 3, **$1.95**; 10, **$6.00**.

DUTCHMAN'S PIPE

ARISTOLOCHIA SIPHO. A vigorous growing climber, bearing striking brownish colored flowers, resembling a miniature pipe in shape. Its large, dark green heart-shaped leaves give a tropical foliage effect and produce a splendid shade. It thrives in sun or shade. 2 yr., grafted **$2.00**.

HONEYSUCKLE (Lonicera)

EVERBLOOMING HONEYSUCKLE (LONICERA HECKROTTI). Remarkable for large size of its flowers, crimson-carmine without and golden apricot inside. They are very beautiful and fragrant and are in bloom from the middle of June until the coming of frost. 2 yr., **$1.10**; 3 for **$3.00**.

HALL'S HONEYSUCKLE (L. JAPONICA HALLEANA). One of the finest of all vines. Almost evergreen, with very fragrant, pure white flowers, changing to yellow, in late summer and fall. 2 yr., **75c**; 3 for **$1.95**; 10, **$5.00**; 100, **$45.00**.

All prices f. o. b. our nurseries, Western Springs, Ill.
If wanted by Parcel Post, remit postage, allowing 1 lb. per plant. See order blank page for postage rates.

CLIMBING HYDRANGEA

HYDRANGEA PETIOLARIS. A worth while hardy climber with white, four-petaled flowers in 6 to 8 inch loose clusters in July. Will cling to brick or stone walls. Slow growing when young, but once established, makes a rapid growth. Grows best on north or east sides of buildings. Strong pot-grown plants, **$2.50**; 3, **$6.75**.

HARDY ENGLISH IVY

HEDERA HELIX BALTICA. A graceful evergreen vine that has dark green foliage and is identical in habit with the well-known English Ivy, except that it is hardy and has smaller leaves. Succeeds well in shady places and makes an excellent ground cover. 2¼ in. pots, 3 for **$1.50**; 10, **$4.50**; 100, **$25.00**.

TRUMPET CREEPER

BIGNONIA RADICANS. A robust, tall climber with great leathery trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. Useful wherever a showy flowering vine is desired. Will cling to wood. 2 yr., **75c**; 3 for **$1.95**.

BIGNONIA MME. GALEN. A more dwarf form of the above with immense flower clusters, often exceeding 15 inches in length. 2 yr., grafted, **$1.50**; 3 for **$4.20**.

WISTARIA

AMERICAN WISTARIA (W. FRUTESCENS). A strong, rapid-growing vine with light-green compound foliage and purple-lilac, pea-shaped flowers, borne in very dense, long, pendulous racemes in advance of the opening of the leaves. 2 yr., grown from blooming wood, **$1.25**; 3 for **$3.30**.

PINK WISTARIA (W. ROSEA). The queen of the Wistarias. Vigorous growing, with extremely long, full clusters of beautiful pink flowers. 1 yr. Grafted plants, **$1.50**; 3 for **$4.20**.

WHITE CHINESE WISTARIA (WISTARIA SINENSIS ALBA). Pure white, very fragrant, grafted plants, **$1.50**.

SILVER LACE VINE

POLYGONUM AUBERTI. Of strong, vigorous growth, attaining a height of 25 feet or more, producing through the summer and fall great foamy sprays of white flowers that turn rose-colored as they begin to fade, and the combination of white and rose makes an exceedingly pretty picture. 2 yr., **$1.10**; 3 for**$3.00**.

KUDZU or Jack-and-the-Bean-Stalk Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture soft and woolly. Fine for porches, arbors, old trees, etc. **75c**; 3 for **$1.95**. 10, **$5.00**.

Vaughan's Evergreens

All Prices Are F. O. B. Our Nurseries, Western Springs, Ill.
When Personal Selection of Stock is made, We Charge for According to Its Value.

ARBORVITAE (Thuja)

DOUGLAS PYRAMIDAL ARBORVITAE. (T. OCCIDENTALIS DOUGLASI PYRAMIDALIS). Glossy green pyramid with fronds somewhat curled. 3½ to 4 ft., **$6.50**; 4 to 4½ ft., **$7.50**; 4½ to 5 ft., **$8.50**.

GLOBE ARBORVITAE (T. OCCIDENTALIS GLOBOSA). A round, compact form with deep green foliage. 24 in., **$4.50**; 30 in., **$5.50**.

PYRAMIDAL ARBORVITAE (T. OCCIDENTALIS PYRAMIDALIS). A compact, narrow pyramidal tree. 4 to 4½ ft., **$7.50**; 4½ to 5 ft., **$8.50**; 5 to 5½ ft., **$9.50**; 5½ to 6 ft., **$10.50**; 6 to 6½ ft., **$12.00**.

JUNIPER (Juniperus)

ANDORRA JUNIPER (J. HORIZONTALIS PLUMOSA). Of prostrate habit; foliage bright green in summer, rich reddish purple in winter. 15 to 18 in., **$5.25**; 18 to 24 in., **$6.75**; 3½ to 4 ft., **$10.50**; 4 to 4½ ft., **$12.50**.

BURK REDCEDAR (J. VIRG. BURKI). An improved form of Silver Redcedar. 6 to 6½ ft., **$21.50**; 6½ to 7 ft., **$22.50**; 7 to 7½, ft., **$25.00**.

CANAERT REDCEDAR (J. VIRG. CANAERTI). Fine pyramidal form with heavily tufted deep green foliage. 4½ to 5 ft., **$14.50**; 5 to 5½ ft., **$17.00**; 5½ to 6 ft., **$19.00**; 6 to 6½ ft., **$21.50**.

KETELEER JUNIPER (J. CHIN. KETELEERI). Similar to Canaert Redcedar, but of more open growth and pyramidal habit. 4 to 4½ ft., **$12.00**; 4½ to 5 ft., **$14.00**; 7 to 7½ ft., **$25.00**.

PFITZER JUNIPER (J. CHIN. PFITZERIANA). One of the best Junipers. Of broad, bushy growth, with thick, rich green foliage. 18 to 24 in., **$6.50**; 2 to 2½ ft., **$8.00**; 2½ to 3 ft., **$10.00**; 3 to 3½ ft., **$12.50**.

SCHOTT REDCEDAR (J. VIRGINIANA SCHOTTI). A dense, conical form with fresh green foliage that does not change in winter. 4½ to 5 ft., **$14.50**; 5 to 5½ ft., **$17.00**; 5½ to 6 ft., **$19.00**.

SILVER REDCEDAR (J. VIRG. GLAUCA). One of our choicest evergreens with attractive blue tinged foliage. 4½ to 5 ft., **$14.50**; 5 to 5½ ft., **$17.00**; 5½ to 6 ft., **$19.00**; 6 to 6½ ft., **$21.50**; 6½ to 7 ft., **$22.50**; 7 to 7½ ft., **$25.00**.

VON EHRON SAVIN JUNIPER (J. SABINA VON EHRON). Semi-spreading; very dark green foliage. 2½ to 3 ft., **$7.50**; 3 to 3½ ft., **$8.50**; 3½ to 4 ft., **$10.50**; 4 to 4½ ft., **$12.00**.

PINE (Pinus)

AUSTRIAN PINE (P. NIGRA). A good tree for city planting. A distinctive variety with stout spreading branches and long rich green needles. 2½ to 3 ft., **$8.50**; 5½ to 6 ft., **$25.00**.

MUGHO PINE (P. MONT. MUGHUS). Good low growing evergreen. 18 in., **$6.50**; 2 ft., **$7.50**.

SPRUCE (Picea)

NORWAY SPRUCE (P. EXCELSA). A pyramidal tree of rapid growth and dark green foliage. 2½ to 3 ft., **$5.50**; 3 to 3½ ft., **$6.50**; 3½ to 4 ft., **$7.50**; 4½ to 5 ft., **$10.50**.

COLORADO SPRUCE (PICEA PUNGENS). The abundance of heavy rich green foliage makes this variety a most impressive and popular evergreen. Splendid for specimen planting. 2½ to 3 ft., **$7.75**; 3 to 3½ ft., **$9.00**; 3½ to 4 ft., **$10.50**; 4 to 4½ ft., **$12.50**.

COLORADO BLUE SPRUCE (P. PUNGENS GLAUCA). Very showy, rich silver blue foliage. 2½ ft., **$12.00**; 3 ft., **$13.50**; 3½ ft., **$16.00**.

YEW (Taxus)

SPREADING YEW (T. CUSPIDATA). Of dense, spreading growth, with heavy, dark green foliage. 18 to 24 in., **$7.50**; 2 ft., **$10.00**; 2½ ft., **$12.50**; 3 ft., **$17.50**; 3½ ft., **$22.50**; 4 ft., **$27.50**.

UPRIGHT YEW (T. CUSP. CAPITATA). An upright or pyramidal form with glossy, deep green foliage. 18 in., **$8.00**; 2 ft., **$9.00**; 2½ ft., **$12.50**; 3 ft., **$15.00**.

HICK'S YEW (T. MEDIA HICKSI). A distinct columnar form with rich, deep green foliage. 2½ ft. **$10.00**; 3½ ft., **$18.50**; 4 ft., **$22.50**.

For prices on larger sizes and other varieties ask for our nursery price list, ready about March 1st.

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Explanation of Table Below: Numbers prefixed with **B**, Bulbs; **P**, Plants; **R**, Roots; **S**, Seeds.

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JOHN C. VAUGHAN, PRES. CARL V. CROPP, V. PRES.

CABLE ADDRESS
VAUGHAN, CHICAGO
CAROTIDA, NEW YORK

Vaughan's Seed Company

NEW YORK 7,
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WESTERN SPRINGS, ILL.

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HOW TO ORDER

How to Order: Please follow these instructions, and fill out order sheets carefully. Give correct address, with Delivery Zone, if you are in a large city.

Seed and Bulb Orders: Write quantities distinctly in the column provided and attach prices.

Plant and Tree Orders: State quantity, size or age of each variety, with prices attached.

C. O. D. Orders: No bulbs, trees, plants or other perishable stock, are sent C. O. D.

Remittance: Please remit by money order or check. **Do not send currency unless registered.**

Mistakes: If there is any error in filling your order, write us at once **returning your order if a paid order** or your invoice if a charge order, for quick investigation and adjustment.

Charge Accounts. Customers desiring to open charge accounts are cordially invited to inform our credit department, which will be pleased to make the necessary arrangements.

RETAIL STORES OF VAUGHAN'S SEED COMPANY

All items listed in this catalogue may be ordered, and immediate delivery usually obtained at the following retail outlets of Vaughan's Seed Company. Should any wanted items be temporarily out of stock they can be obtained through these outlets with a minimum delay.

IN AND NEAR CHICAGO, ILL.

10 W. Randolph St., just west of State, Chicago, 1, Ill.
601 W. Jackson Blvd., Jackson and Jefferson, one block from Union Depot, Chicago 6, Ill.
Vaughan's Garden Center, W. 47th Street and Willow Springs Road, Western Springs, Ill.

IN AND NEAR NEW YORK CITY

47 Barclay St., two blocks from the Woolworth building, New York City.
Vaughan's Garden Center, Fulton and Merrick Avenue, East Hempstead, Long Island, N. Y.

OUR GUARANTEE

All our stocks are sold under the following conditions:

We guarantee the vitality and purity of Vaughan's Seeds and Bulbs to the full amount of the purchase price. You can have your money back any time within a year if you are not satisfied with the results. Even with the highest quality seeds and bulbs, success in gardening depends largely upon cultivation, soil, and weather conditions. Therefore, in no case, shall Vaughan's Seed Co., be liable for more than the amount actually paid us for seeds, bulbs or plants.

Complaints on Plants and Nursery Stock must be made within three months after delivery.

DELIVERY

All flower seeds, vegetable seeds, lawn seeds and bulbs prepaid.

All Dahlias, bought at single and dozen prices, are prepaid to fifth zone from Chicago or New York. Larger quantities by express at buyer's expense. Exceptions to this rule are specifically noted in the offers.

All Water Lilies by mail or express at buyer's expense, except where otherwise specifically stated.

All Roses, Trees, Shrubs are shipped from Western Springs at buyer's expense. Perennial Plants are shipped from Kalamazoo, Mich., at buyer's expense.

All tools and supplies, including insecticides and fertilizers (except as specified on Page 79), are F. O. B. Chicago or New York and shipped at buyer's expense.

Purchases for $2.00 or more made at our loop store, 10 W. Randolph St., delivered free within a 25 mile radius except fertilizers and peat moss weighing more than 100 pounds, dog food and bird gravel, which items are shipped at buyer's expense. This offer is subject to change without notice.

☛These special Free Deliveries do not include C. O. D. shipments, which travel at buyer's expense.

Express Shipments: General orders for garden seeds with heavy weights of corn, beans, fertilizers, etc., should go by express, freight, or truck, also all shipments containing breakables.

All Trees, Shrubs, Bulbs and Hardy Plants are shipped as soon as weather permits. State plainly date and manner of shipping you wish.

Parcel Post Rates By Zones

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U.S. and Possessions. Effective Oct. 1, 1932.	First pound or fraction	Each additional pound or fraction	
		2 to 10 lbs.	11 to 70 lbs.
Local—Chicago or New York City	10c	1c	0.75c
First and Second Zone within 150 miles of either	12c	2.1c	2c
Third Zone within 150 to 300 miles	13c	3c	2.8c
Fourth Zone within 300 to 600 miles	14c	4.5c	4.25c
Fifth Zone within 600 to 1000 miles	15c	6c	5.5c
Sixth Zone within 1000 to 1400 miles	16c	7.5c	7.25c
Seventh Zone within 1400 to 1800 miles	17c	9.5c	9.25c
Eighth Zone all over 1800 miles	18c	11.5c	11.25c

This includes tax on first 33c. For larger amounts add 3% which is the equivalent of 1c for each 33c of postage.

NOTE. A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent. Limit of weight for delivery to all zones 70 pounds; to Canada 15 lbs. If weight exceeds this, we will pack in 2 or 3 parcels (not more), provided money is remitted to cover postage. Mark your Zone Number on order.

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You can grow largest DAHLIAS

$3.95 for EIGHT varieties of champion RAINBOW COLORS

One Each of the Following Varieties (VALUE $7.50)

VARIETIES listed below are all late introductions, sold not long ago for as much per tuber as we ask for this collection. From these tubers, flowers of the largest size can be grown, by following the culture and disbudding instructions which we send with each collection.

Dozens of new varieties are introduced each year and enjoy a brief acclaim, but relatively few are able to win a permanent place at the top. All those on this page are proven champions having demonstrated their merit in the garden and on the exhibition tables. Besides large size and fine coloring, they have the qualities of vigorous growth and free flowering. You can depend upon growing them, if you follow the simple methods in our instructions.

SARRETT'S PINK FLAMINGO

CHAS. L. MASTICK. F.D. 10 inch. Compact blooms of bronze to orange. A fine keeper when cut and rates among the best in the garden. Each 75c.

CALIFORNIA IDOL. I.D. 10 inch. A clear yellow. Deep flowers of good form, with high, full center. Each 75c.

DARCY SAINSBURY. F.D. 10 inch. Pure white of well shaped blooms, facing erect on strong stems. Each 75c.

DEUIL DU ROI ALBERT. F.D. 6 to 8 inches. An outstanding bi-color of purple tipped white. Early free bloomer with good stems. Each $1.00.

EVENTIDE. I.D. 8 inch. A deep violet-purple, fairly large and of distinctive beauty. A free early bloomer. Each $1.25.

MAYFAIR. I.D. 10 inch. Shaggy blooms of blood-red. Heavy green foliage and excellent keeping qualities rate this dahlia very high. Each 75c.

MID-WEST CHAMPION. I.D. 10 inch Brilliant violet-rose and white. Fine grower with strong stems. Each 75c.

SARRETT'S PINK FLAMINGO. I.C. 10 inch. Large beautiful formed flowers of clear rose-pink. An outstanding dahlia of recent introduction. Each $1.50.

FANCY-LEAVED CALADIUM BULBS

MIXED. 6 for $2.00; doz., $3.75.

No order accepted for less than 6.

DELIVERY FEB. 15th TO JUNE 1st.

The fancy-leaved Caladiums are gorgeous plants for window-boxes or semi-shady places in the garden. They like a well drained, rich soil but do well in good garden soil if it is not too heavy. Start the bulbs inside in pots covering with one inch of soil. Water sparingly until growth commences, then water liberally. Plant out after danger of frost is over.

100 Strawberry Plants $3.00

Special Offer No. 181S. A Strawberry collection, 100 fine strong plants (spring delivery only) in four good sorts, our selection, postpaid, for $3.00.

Strong Field Grown Plants, Shipped from Early Spring up to May 15.

NEW SPARKLE STRAWBERRY. An excellent, new, experimental station-bred variety that lengthens the strawberry picking season for the home or market.

FAIRLAND. New introduction of the United States Department of Agriculture resistant to red stele disease. Early bearing, large, bright red firm berries of excellent flavor.

Price on above two varieties: 25 for $1.80; 50 for $2.95; 100 for $4.75; 250 for $11.15; 500 for $17.75, postpaid.

ROBINSON. The new super berry. Finest flavor. Large, glossy, firm red fruit.

PREMIER. Early. Berries are large, beautifully formed.

PRICE, on the above 2 varieties, 25 for $1.50; 50 for $2.35; 100 for $3.70; 250 for $8.40; 500 for $15.70, postpaid.

SENATOR DUNLAP. Midseason. The fruit is dark red with glossy finish. The meat is a bright red all through and exceedingly juicy. It succeeds everywhere, **Price,** 25 for $1.10; 50 for $1.70; 100 for $2.85; 250 for $6.65; 500 for $12.50, postpaid.

Everbearing Strawberries

NEW SUPERFECTION. Is one of the newest and best everbearing strawberries resulting from modern plant breeding, bears heavily in June until frost. Large bright red berries with an extra delicious flavor. **Price,** 25 for $2 45; 50 for $4.40; 100 for $7.35; 250 for $16.70, postpaid.

MASTODON. Most widely planted everbearer. **Price,** 25 for $2.00; 50 for $3.60; 100 for $6.00; 250 for $13.70, postpaid.

MINNESOTA 1166. Easy to grow in any garden. If you plant Minnesota 1166 this spring you can enjoy fresh Strawberries from your own garden this summer. They are delicious, healthful and economical—summertime's most delicious fruit. Plants are in big demand because of its outstanding performance, so order yours early. Price 25 for $2.45; 50 for $4.40; 100 for $7.35; 250 for $16.70; postpaid.

We prepay fertilizer orders within 25 miles of N.Y. City where orders amount to $5.00 or over.
Errata—Prices on fertilizers in our catalogue are F.O.B. Chicago.
Following are New York prices.

Vaughan's High Grade Fertilizers

These Prices Are Subject to Change Without Notice.

VAUGHAN'S "ROSE GROWER" BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the western prairies. Analysis: Nitrogen 3.7 percent; total phosphoric acid, 20 percent. Prices, 5 lbs., 75c; 10 lbs., $1.25; 25 lbs., $2.00; 50 lbs., $3.90; 100 lbs., $7.50.

Regular Bone Meal. 2.47% nitrogen; 20% phosphoric acid. 25 lbs., $1.90; 50 lbs., $3.75; 100 lbs., $7.00.

BONE, Raw Ground. Excellent material for vine borders or greenhouse benching. Also all bulbs, indoors and outside. Fine for roses. High analysis. Prices, 25 lbs., $2.00; 50 lbs., $3.90; 100 lbs., $7.50.

Cow Manure Dehydrated (Bovung). Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins. 25 lbs., $1.75; 50 lbs., $2.50; 100 lbs., $4.25; 500 lbs., $19.00.

SHEEP MANURE

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. 25 lbs., $1.50; 50 lbs., $2.50; 100 lbs., $4.25; 500 lbs., $20.00.

Activo. (Formerly called Bacto) Make your own fertilizer easy, quick—often in as little as three weeks. Just sprinkle on kitchen waste, leaves, garden rubbish, sewage sludge, etc. 5-pound bag makes up to a ton of rich, soil-building organic humus, better than manure. Sprinkle in outdoor toilets; reduces odors, makes easily-handled ash of waste. Prices, 4 oz., 30c; No. 2 size, about 2 lbs., $1.00; No. 7 size, about 7 lbs., $2.00; size, about 50 lbs., $11.95. No. 100 size, $19.95.

Adco Artificial Stable Manure. Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. Prices, 5 lbs., $1.25; 20 lbs., $3.00; 150 lbs., $14.00.

African Violet Soil. 1½ lb. plastic bag, soil sterilized and scientifically prepared for African Violets. 25c per bag.

Agrico. Specially formulated for lawns, trees and shrubs. Provides ALL the needed plant foods — stimulating quick growth in early spring—providing slowly available plant food all season long. 6-10-4. Prices, 5 lbs., 45c; 10 lbs., 80c; 25 lbs., $1.60; 50 lbs., $2.65; 100 lbs., $4.75. (Prices subject to change.)

Agrico Garden Fertilizer. 5-10-5. 5 lbs., 45c; 10 lbs., 80c; 25 lbs., $1.60; 50 lbs., $2.40; 100 lbs., $4.25. (Prices subject to change.)

Agrico for Broadleaf Evergreens. Agrico for Broadleaf Evergreens not only supplies the right balance of all the needed plant foods, but one that also builds up soil acidity, which is essential for best growth. It is specially formulated to do both jobs properly. Apply Agrico for Broadleaf Evergreens in early Spring, at the rate of 3 lbs. per 100 sq. ft. For flowering plants, make a second application of 1 to 2 lbs. per 100 sq. ft., as soon as buds begin to appear. 10 lbs., $1.10; 25 lbs., $2.10; 50 lbs., $3.40; 100 lbs., $5.50. (Prices subject to change.)

Aluminum Sulphate. For creating acid condition in the soil. Prices, 5 lbs., 50c; 10 lbs., 80c; 25 lbs., $1.50; 50 lbs., $2.60; 100 lbs., $4.75.

Ammonium Sulphate. 20.6% nitrogen. Prices, 5 lbs., 60c; 10 lbs., $1.00; 25 lbs., $1.75; 50 lbs., $3.25; 100 lbs., $6.25.

Armours Special Ornamental Fertilizer. 10-6-4. Especially prepared for lawns, trees, shrubs and flowers. 100-lb. bags only, $6.50 each.

TERRA LITE

Is a prepared form of vermiculite, cleaned of all impurities which might injure plants, and of the correct size for horticultural use. This remarkable material has proved to give almost magical results as a substitute for soil in starting seeds and rooting cuttings. Price, 2 bu. bag, $1.85; ½ bu. bag, 85c; 4 qt. bag, 45c.

Blood, Dried. For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, chrysanthemums and all kinds of pot plants. Prices, 5 lbs., $1.00; 10 lbs., $1.75; 25 lbs., $3.25.

Bulb Food. Potash where potash is needed (5-6-15). For Dahlias, Lily, Gladiola, etc. 5 lbs., 75c; 10 lbs., $1.25; 25 lbs., $2.75; 100 lbs., $9.00.

Clays Fertilizer. This valuable imported fertilizer is especially recommended to all who grow either fruit, flowers or vegetables, and wish to bring them to the highest perfection. 7 lbs., ea., $1.50; 28 lbs., ea., $4.25; 56 lbs., $8.00; 112 lbs., $14.00 ea.

Crystal Urea. A highly concentrated inorganic fertilizer containing 46 percent available nitrogen, clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees; 92 times stronger than manure. Prices, 5 lbs., $1.00; 10 lbs., $1.75; 25 lbs., $3.75; 50 lbs., $5.50.

Premier-nure. Nature's own fertilizer, is an ideal plant food combining poultry and cow manure with peat moss. Clean, soft and easy to use. 50 lb. bag will top dress 1000 square feet of lawn, or feed up to 500 square feet of garden area. Prices, 7½ lb. bag, 60c; 50 lb. area. Prices, 50 lb. bag, $2.25 each; 5 to 19 bags of 50 lbs., $2.00 each.

Hy-Gro. 13-26-13. The soluble plant food. The ideal plant food for starter solution and most economical way of feeding plants. 1 tablespoon to a gallon of water will feed 20 plants for six weeks. 3 oz., 30c; 20 oz., $1.00; 2 lbs., $1.25; 10 lbs., $4.50. (Prices subject to change.)

Hyponex Plant Food. For growing plants in sand, soil or water. One teaspoonful will make a gallon of complete plant food. 1 lb. will make 100 gallons. Prices, 3 ozs., 30c; 7 ozs. 50c; 1 lb., $1.00; 10 lbs., $8.00.

Muriate of Potash. Should be used liberally, especially for all root crops. 5 lbs., 80c; 10 lbs., $1.35; 25 lbs., $3.00.

New Plant Life is that scientifically discovered liquid life restorer which has for a quarter of a century demonstrated in homes everywhere, growth and bloom far beyond the housewife's fondest expectation. 3 oz., 25c.

Nitrate of Soda. 5 lbs., 75c; 10 lbs., $1.25; 25 lbs., $2.50.

Peat Moss, Granulated. (Irish when available). A moisture-retaining humus, an important aid in saving soil fertility, better than manure. Large bale each, $5.50, 5 for $26.25. (Prices subject to change.)

Plantabbs. The high analysis plant food tablet containing the proper amount of Vitamin B1. Prices, box of 30 tablets, 25c; box of 75 tablets, 50c; box of 200 tablets, $1.00; can of 1000 tablets, $3.50.

Rose Food. An organic, no filler, 100% plant food of dried blood, fish scrap, bone meal, potash, cottonseed meal and phosphate. This is a special mixture for growing roses and is a balanced, all-purpose fertilizer which can be used on all flowers, shrubbery, etc. 5 lbs., 75c; 10 lbs., $1.25; 25 lbs., $2.75; 100 lbs., $9.00.

Sacco Plant Food 4-12-4 The complete all purpose plant food for lawns, flowers, trees, shrubs and gardens. 5 lbs., 50c; 10 lbs., 90c; 25 lbs., $1.50; 50 lbs., $2.75; 100 lbs., $3.95.

Sulphate of Potash. 5 lbs., 80c; 10 lbs., $1.35; 25 lbs., $3.00.

Super Phosphate. 18%-20% available. Used on grain crops and others requiring an excessive amount of phosphoric acid. Prices, 5 lbs., 45c; 25 lbs., $1.25; 50 lbs., $2.00; 100 lbs., $3.00; 500 lbs., $13.00.

"Trace L" a complete plant food (8-16-7) containing 15 essential elements in guaranteed amounts. (Nitrogen, phosphorous, potassium, calcium, magnesium, iron, sodium, sulphur, manganese, zinc, baron, iodine, copper, molybdenum, cobalt. The new complete, balanced, soluble plant food, one teaspoonful in a gallon of water, treats 100 square feet. Use for house plants, gardens, lawns, shrubs, etc. ½ lb., 75c; 1 lb., $1.00; 15 lbs., $11.25.

Wedo (6-10-4 with 2, 4-D). The double acting lawn food, kills weeds feeds grass. 25 lbs., $2.75; 50 lbs., $4.95; 100 lbs., $7.95.

Vigoro. Is a specially prepared plant food. It contains all the elements necessary to grow flowers, lawns, vegetables, shubbery and trees. Complete directions in every bag. Prices, 5 lbs., 50c; 10 lbs., 90c; 25 lbs., $1.60; 50 lbs., $2.65; 100 lbs., $4.25.

We prepay fertilizer orders within 25 miles of New York City where orders amount to $5.00 or over.

NEW YORK, N.Y.
1951

CHURCH STREET
STATION

THIS SIDE OF CARD IS FOR ADDRESS

Library

U. S. Dept. of Agriculture

Washington 25, D. C.

IT'S GARDENING TIME—SPRING IS HERE!

M. H. Brunjes & Sons have retired from the seed business after many years.

Garden makers may obtain all their requirements in seeds, bulbs and garden supplies from one of the following stores:

VAUGHAN'S SEED COMPANY

47 Barclay St., N. Y. 7, N. Y. **BArclay 7-4020**

Store Hours: 8:45 A.M. — 5:30 P.M. Daily
8:45 A.M. — 3:00 P.M. Saturday

Hempstead Turnpike & Merrick Avenue **East Hempstead, N. Y.**
HEmpstead 2-3422

Store Hours: 9:00 A.M. — 6:00 P.M. Daily
including Sunday

Now You Can Grow -

GLAMOROUS BEGONIAS

24 Imported Tubers $2.00 PRE-PAID
4 each of 6 Colors

THESE ARE THE COLORS:

Red, White, Pink, Salmon, Orange, Yellow

All Tubers 1¼-1½ Inches in Diameter, Each Color Separately Bagged and Labeled

Thousands of amateur gardeners in all sections of the country have learned that the new Tuberous Rooted Begonias, largest and loveliest of garden flowers which can be grown in the summer border, are not difficult to grow almost anywhere when given their simple requirements as to soil, light, temperature and water. On the contrary, they are among the easiest of all flowers for the amateur to start under protection and move outdoors to a selected place prepared for them.

They will thrive in a shady place, where you have difficulty growing other flowers. They not only beautify the garden, but their cut blooms are long-lasting and spectacular in bowl arrangements. Begonia corsages have begun to rival orchids in popularity. National magazines have published color pictures of their gorgeous blooms.

If the simple formula of their culture which we supply is followed, they will reward you more bountifully than any other flower you can grow, bearing throughout the summer flowers which increase in size and beauty, until frosts kill the plants in the fall. The tubers can then be lifted and kept over winter, as easy as gladiolus bulbs.

TUBEROUS ROOTED BEGONIAS

Imported Double Camellia-Flowered

Red, White, Pink, Salmon, Orange, Yellow

	Each	Dozen	100
1½-2 inch	$0.20	$2.00	$15.00
2 inch	.30	3.00	20.00

Imported Carnation-Flowered

	Each	Dozen	100
1½-2 inch	$0.30	$3.00	$20.00
2 inch	.35	3.50	27.00

ALL PRICES PREPAID